

WeChat, shape of the connected China

**GAFA**nomics\*

# This work was made for you to share, reuse, remix, rework...

# It is licensed under the <u>Creative Commons BY-NC-SA license</u> to allow for further contributions by experts and users in the coming months.



- You are free to share and remix / adapt the work.
- You must cite this document: WeChat, shape of the connected China, January 2019.
- You may distribute a modified work under the same or similar license.
- $(\mathfrak{T})$
- You may not use this work for commercial purposes.

#### Why do we release this kind of work for free?

Our job is to help large organizations think and act like startups. We believe this can only be achieved by encouraging people to innovate and explore new business models. We aim to inspire you by giving you the keys to understanding new markets, new business drivers like APIs or successful companies like Apple, Amazon, Facebook or LinkedIn.

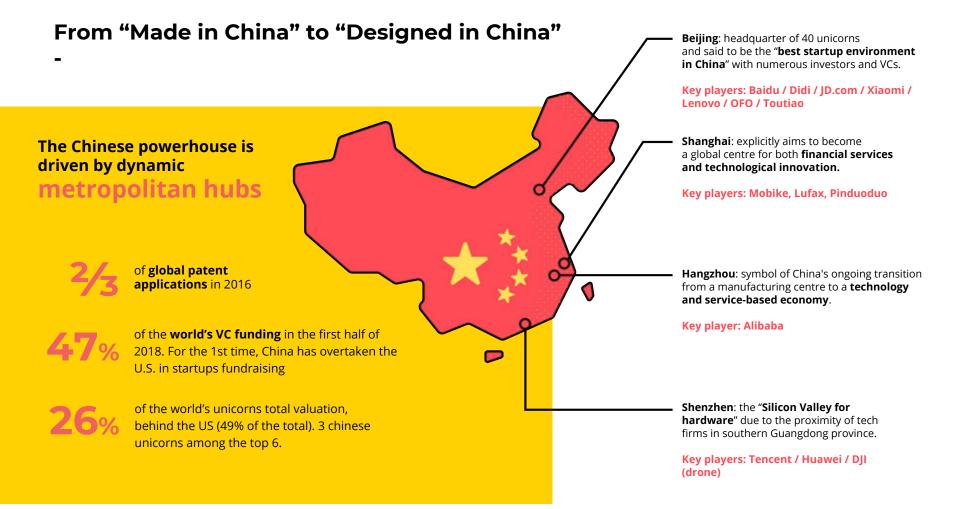
## Foreword



Stéphane Distinguin Founder & CEO of FABERNOVEL ince 2006 FABERNOVEL has been producing annual studies which are accessible to all, thus completing one of its missions: to contribute to the understanding and accessibility of the digital revolution. They are an opportunity to go further and deeper in the exploration of the latest innovation topics, and give their readers the ability to take a step back and to really observe the digital age.

By developing clear frameworks, they help in deciphering today's biggest recipes for success which worked for the GAFA, unicorns and Chinese giants. The aim is to analyze all the competitive dynamics of this new economy, its performance factors and its development strategy.

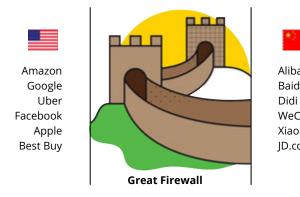
After Uber in 2017 and Tesla in 2018, we've decided to dedicate this year's annual study to the analysis of the WeChat phenomenon. More than ever, the model's applicability and exportability raises questions – while a slowed-down Chinese growth in 2018's third trimester (6,5%!), and a trade war with the US, has got some observers worried.



# China has nurtured homegrown digital champions...

# The Great Firewall has allowed China to forge its own path in terms of technology

China has developed a "digital protectionism" policy to prevent foreign competitors from jumping into the Chinese market and preserve its Internet sovereignty.





Alibaba Baidu Didi WeChat Xiaomi JD.com



# A Master Plan to take leadership in design, software and production

In 2015, China launched a strategic 10-years plan called **"Made in China 2025**", in order to target a leadership position in key technologies and industries of the future.

China 2025 sets ambitious targets: **70% "self-sufficiency" in high-tech industries by 2025** and a dominant position in global markets by 2049.



We should respect the right of individual countries to independently choose their own path of cyber-development"

Xi Jinping, president of the People's Republic of China at the World Internet Conference (2015) ... and these champions are now deeply inspiring to the western leaders

**6**6

### China: Lab of the mobile innovation

The pace of innovation in China is faster than in any other part of the world.

Some of the most prominent American brands have started to copy what has been a success in China. I look at some of the things we are innovating and doing here in China.
We are going to leverage those learnings\* to apply them in other parts of the world, including the US."



Kevin Johnson Starbucks' CEO

# WeChat figures cause vertigo

-

WeChat is the largest community of users and consumers in Asia. In only 7 years, WeChat has became a key player on the global tech scene:



Main social media communities in Q3 2018 ranked by MAU

433 Days

To reach 100 Millions users vs. 1,650 days for Facebook



+**]**M

Of total mobile network traffic in China vs. 14% for Facebook in the US.

Mini-programs since

vs. 2.1M for App Store

the launch in 2017

92%

Penetration rate in its first domestic market - China vs. 63% for Facebook in the US

20.3м

jobs WeChat helped to create in 2017

Sources: CAICT, WalkTheChat

## What's inside the box?



#### 0 $\odot$ Chat Social Messaging Share: Updates, photos, real-time location Voice messaging Find random people nearby Drift bottles: let random people pick up messages Voice & video calls \Lambda Lydia Wallet Mini programs Transfer money PayPal Repay credit-cards Top up mobile phones Pay Donate money Link bank accounts Revolute Buy virtual currency **Public services** Wealth management products ... **Book Doctors appointments** Send virtual red envelopes Apply for visas Pay for utility bills Check driving records Check weather / smog warnings Pedestrian heat maps a **Third Party Services** News subscriptions Uber **Ride-hailing** Sept Doctalik Air & Train travel mobike Online shopping Food delivery NATE 0 ...

f

...

Å

# WeChat is leading the "super app revolution" in Asia

Our phone

#### A Chinese one

VS

🕖 🗿 🔕

🖂 🙆

3 main ingredients of a Super App:

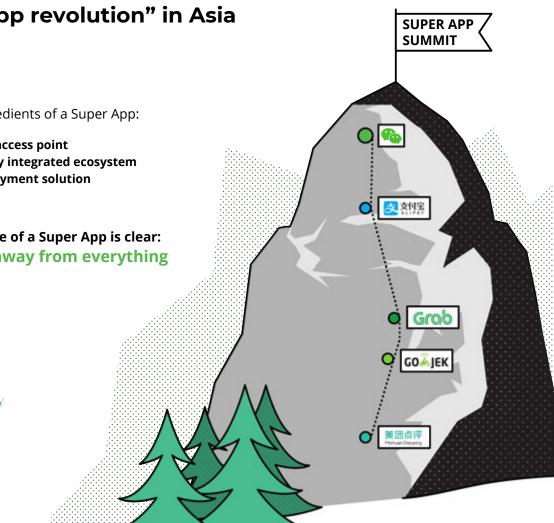
1. A unique access point 2. Seamlessly integrated ecosystem 3. Its own payment solution

The promise of a Super App is clear: One tap away from everything

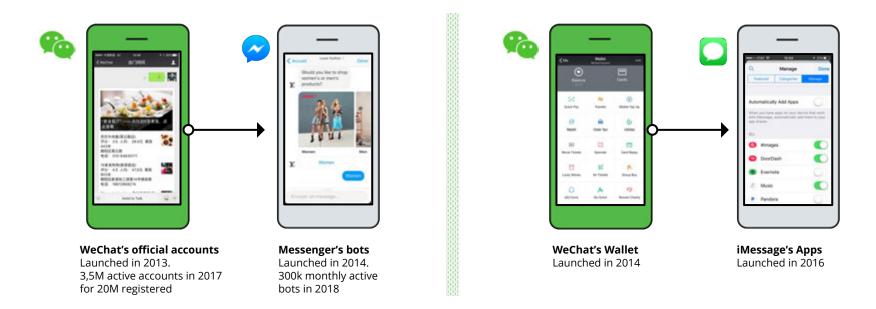
Super apps mix and match a **bunch** of seemingly unrelated services together in one application"

🖂 🔯

**Connie Chan** General Partner at Andreessen Horowitz



## Western tech leaders have started to copy it



**Everyone in the Western world has experienced WeChat's work**, as the service has inspired a new category of "messaging as a platform." You don't have to look hard to see hints of WeChat in other messaging platforms such as Apple's iMessage or Facebook's Messenger platform"

**Anu Hariharan** Partner at Y Combinator (2017)

## One app, 5 strategies

-



Pivoting at scale
 Smartphone is not a channel, it's a lifestyle
 Value is a dynamic balancing
 Network size is the new chic
 WeChat is eating the world



# **Pivoting at scale**

# Back to 2010, Tencent was a well-established company

#### Tencent's activities were thriving:

The overall economic environment in China was very promising:

# **10** million

new internet users in China every month

**+10.6**% GDP growth of China

Tencent overall results were outstanding:



Tencent revenues evolution between 2007 and 2010

**3**rd

biggest internet firm by market cap (\$36bn) after Google and Amazon Tencent was dominating the instant messaging Chinese market:

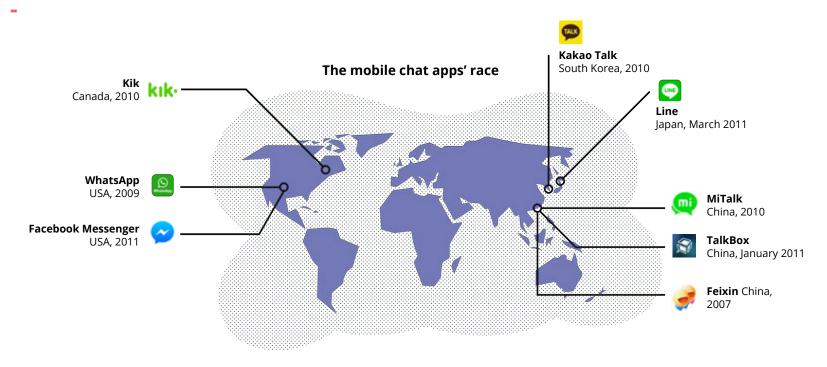
QQ's penguin was an integral part of Chinese popular culture



active users on QQ Messenger



## Tencent understood the inevitable rise of a new world



New contenders were entering the game, both outside and inside China. Tencent was a latecomer in this race.

At the very beginning, all these instant messaging apps had the same value proposition. It would be a winner-takes-all battle as messaging apps are all about timing and network effect.

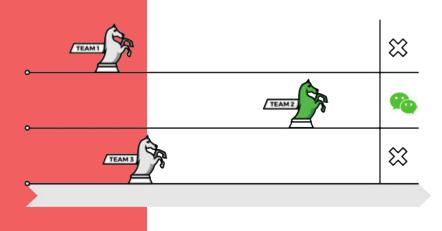


How did they manage this strategic dilemma?

# What did Tencent do? Basic design thinking & horizontal diversification

# Pick your champion after an internal tournament...

Such initiatives was faithful to the 'horse race culture' or *saima*: putting several teams to attack the same challenge





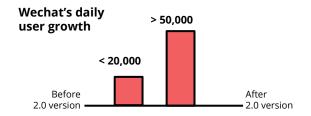
The winning project was granted generous financing to continue its project

#### ... and looking closely at alternatives

In early 2011, when WeChat was struggling among the Top 100, its major competitor Talkbox was listed #1 on the social network app chart thanks to its push-to-talk feature.

#### Tencent's executives even made an offer to buy Talkbox as they did not want to bet solely on WeChat's uncertain success.

With the WeChat 2.0 version of May 2011 and the release of the same push-to-talk feature, WeChat jumped from top 100 to top 5 within a single day.



# Leveraging existing assets to accelerate momentum

Network effect

In May 2011, WeChat started to leverage its massive QQ user base: **account creation was made possible through a QQ ID.** Having a single login ID was much more convenient.

With the 2.1 version of July 2011, WeChat users were able to **automatically import their QQ contacts into WeChat.** 

In order to ensure good pick-up rates, **WeChat** smartly chose the right timing to carry the QQ and WeChat integration.

**Following, the network effects took their lead:** as contacts were integrate and users joined the app, the interest and awareness raised amongst their respective contacts.



#### Endgame

In November 2011, WeChat reached 50 million users and overtook Xiaomi's MiTalk as the first instant messaging app in China.



# Differentiating QQ to avoid inside competition

WeChat's incredible expansion did not kill QQ.

#### It was adapted to serve different needs

QQ has repositioned itself to be a colorful "one-stop entertainment portal" and fills-in WeChat's gaps: you don't need a mobile number to sign up for a QQ account, a good option for young students without any mobile phone.

#### **Addressing specific users**

In 2018, QQ's demographic is still very young: 60% of all QQ users were born after 1990, 40% are students. Hence, QQ has teen-friendly features like avatars, animations and cartoon characters.

#### With two strategic levers:



In 2016, launch of a very popular short-video service called Riji (or "Daily Footprint") to let users upload temporary video clips less than 10 seconds long.



In 2017, launch of QQ Light Application: a mini program-like platform, focusing on casual games and e-books.



# Smartphone is not a channel,

# A day in the life of Xiaolei, powered by WeChat





#### 11AM

Le Ratatouille

French food in Shanghai

150¥

SPLIT BILL

222

Her client has just informed her by **private message** that he could not be present for their lunch. So she suggests to a **group of friends** to have lunch in the French restaurant they all like. She sends them the link through Meituan Dianping's **Mini Program** so they can directly order from the menu before they arrive.

24\*



#### 1PM

She arrives at the restaurant and gets her meal 5 min after her arrival.

She pays the bill for everybody and **asks her friends** through a voice message **to reimburse her via WeChat Pay**. She directly receives the money on her **Wallet**.



#### 9PM

Coming back home, Xiaolei posts pictures of her diner on Moments, restricting access only to her close friends.

WeRun's notification informs her that she won the daily contest by having done 23,000 steps. It automatically donates 2 yuans to charity.

Send

Moments

friends!

Location Share to

Mention

Eating delicious French food with my best

Close friends



From customer centricity to customer obsession



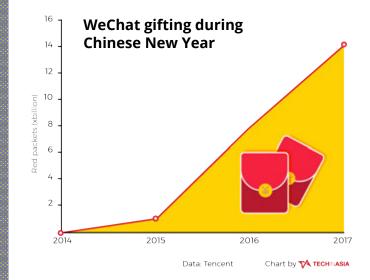
66 Being a product creator is like being in a relationship with the users.
Otherwise, it's only a business transaction. Product managers must have big hearts.



Allen Zhang founder and CEO of WeChat Weibo post 2011

#### Red envelopes: more than a feature. A tradition reinvented.

In 2014, WeChat digitalized the **Red envelopes** and shook up an old tradition deeply rooted in the Chinese culture where people give each other red envelopes with money inside for anniversaries or other festive occasions.



A few elements greatly boosted the user pick-up of this new feature:

**1/** Attaching a feature to a **preexisting usage** and cultural context (numerology, red = lucky color)

2/ Specific features betting on gamification, variable reward and group effect

**3/ Promoting the feature** among tight knit social circles and then extend the use to more distant circles like street merchants and online stores



It was really impressive! This year's Pearl Harbor attack
was indeed beautifully planned and executed"

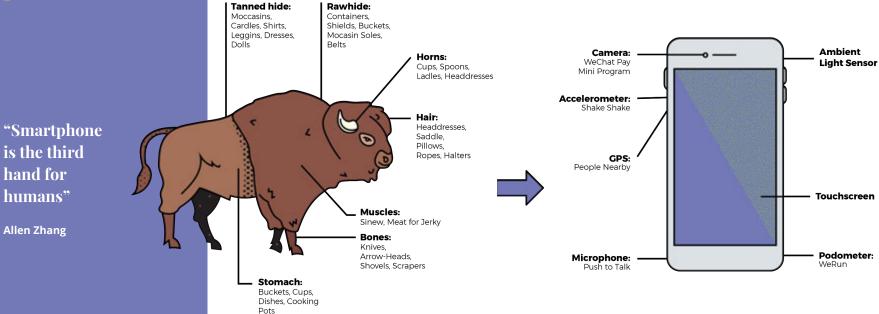
**Jack Ma** Chairman of Alibaba Group

# WeChat used every part of the buffalo

is the third hand for humans"

**Allen Zhang** 

WeChat completely went away from the desktop development mode and exploited all possibilities offered by smartphones to build the first massive mobile-only app.



Native american hunters maximized the buffalo's potential. There was no waste as all the parts of the animal was either used as nutrition or reused. Designing a mobile-only service means making the most of all the sensors and capabilities that a smartphone can offer.

Sources: Connie Chan (a16z)

Shaping new national experience standards: QR code

80 million

QR codes scanned every day with WeChat



Mobile payments generated by WeChat Pay in 2017 Vs. \$450Bn for Paypal The Quick Response system (QR code) became popular outside the automotive industry in Japan in 1994. Massively promoted by WeChat from 2012, the **QR code truly became the tipping point** for China's online-to-offline frenzy.

For Tencent's CEO Pony Ma, a QR code is a "label of abundant online information, attached to the offline world". It has reshaped many aspects of the Chinese society:



#### Social interaction

Marketing

collect relevant data

People no longer have business cards, they directly scan their QR Code to connect

Good way for brands to interact with their

customers, promote official accounts and



#### Payment

Simplification of payment transactions for both customers and sellers: a cashless society



#### Access to information

Sending web links or making online searches have been replaced by QR codes

The entry point for PC internet is the search box. **The entry point for mobile internet is the QR code**"

Allen Zhang founder and CEO of WeChat, 2012



Sources: YCombinator, MIT technology Review, China Channel

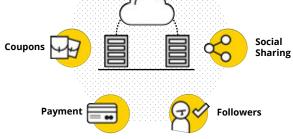
#### Shaping new national experience standards: 'Shake'

**'Shake'** is one of WeChat's early features that has become a characteristic of the app.

#### 'Shake' GPS + Accelerometer + Bluetooth



At first, it was made for people to **randomly find a person** to chat with.





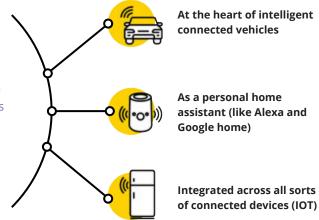
Woman using WeChat Shake functionality in Metro shop in Shanghai

 $\rightarrow$  The 'Shake' functionality is so successful that it has been completely integrated in the Chinese society as a whole. People shake to get information, coupons, special offers or free samples.

# WeChat keeps shaping tomorrow's lifestyle

In the same way, Tencent moved from the PC-world to the mobile world, the future of WeChat is likely to turn into an intelligent interaction medium. This move is part of the Tencent strategy to expand into the industrial internet.







It's undeniable that at some point in the future we will stop looking at this small screen in our pockets"

Matthew Brennan China Channel



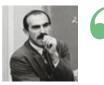
# Value is a dynamic balancing

# A customer hires a product to do a job

In essence, WeChat is a digital Swiss Army knife.

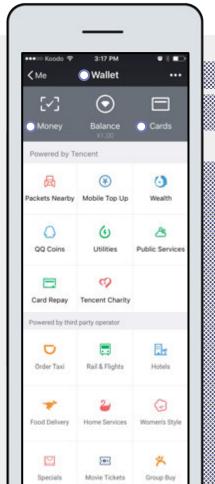
As a lifestyle tool, WeChat is here to help **users improve efficiency**, **rather than let users waste time in its ecosystem**.

For mini-programs, WeChat has adopted a designer approach by reducing the time required to complete an action.



People do not want a quarter-inchdrill, they want a quarter inch hole"

**Theodore Levitt** Marketing professor at Harvard Business School



Wallet is the

key feature

to build a

'super app'

model

A unique access point

One-click payment solution

Seamlessly integrated ecosystem of services

Source: Ben Thompson



#### Enabling seamless experiences by shortening path to services

Mini-programs are basically an app-store within an app **which transforms WeChat into a mobile operating system.** 

#### x4 faster

It took Apple 6 years to get 1 millions apps, WeChat only needed 1,5 years

**200M** DAU of mini-programs as of October 2018

#### 20-30%

of the user traffic coming from mini-programs, mostly through P2P sharing



- Go to an app store
- Download Mobike's app (cross fingers for internet connection)
- Delete apps or contents to have more space

10 min

Use the service

- Open Mobike's app
- Create a user account
- Login
- Add your credit card
- Scan the bike's QR code
- Enjoy your ride
- Be billed

Meanwhile in China • Open WeChat

• Launch the mini-program (or scan a QR code)

- Scan the bike's QR code
- Enjoy your ride

#### Use the service

• Be billed

#### Advertising is not the only way to be profitable

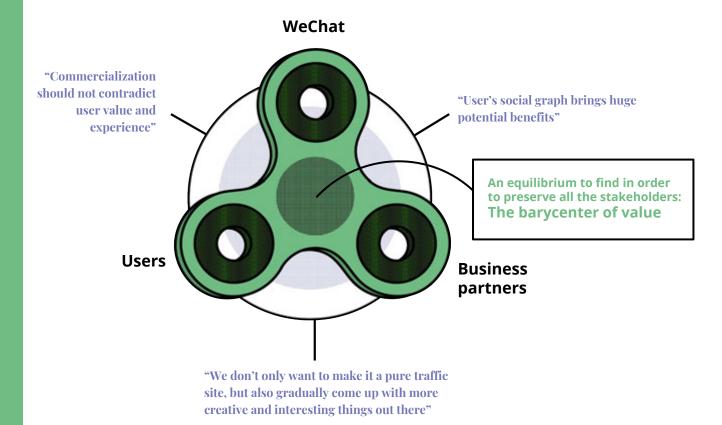
Efficiency is more than a marketing positioning; it is at **the core of WeChat KPIs**. Platforms like Facebook or Toutiao **monitor the time spent** on their services: the more users spend time on the service, the more money they get through ads. As a consequence, their newsfeeds are **Al-driven to optimize the content and user retention**.

		Mean	Metrics / KPI	Lever for growth
What I do on	Scroll, scroll, scroll	Artificial intelligence	Maximize attention and time spent	Not yet connected individuals or companies. Launch of new sticky features
What I do on	Scroll, scroll, scroll	Artificial intelligence	Maximize attention and time spent	Not yet connected individuals or companies. Launch of new sticky features
What I do on	Use and go	UGC and sharing	Jobs done	Not solved pain points for individuals and companies. Answer to new JTBD

WeChat thrives to stay a productivity tool with a **unusual approach**: newsfeed is a pure experience of **peer-to-peer sharing and recommendations** (messages, pictures, official accounts, mini-programmes).

# Within WeChat, value created is equally distributed

WeChat is paying great attention to its users and incentivizes the ecosystem to follow design rules established by Allen Zhang himself. **WeChat redefines interactions on both B2C and B2B side** and controls the UX provided by third party players, in order to **ensure long term growth** of the whole ecosystem.



#### Commercialization should not contradict user value and experience

" Ads in the messaging window **was never a viable option for us**, unlike our friends at Google or other companies.

**David Wallerstein** Tencent CXO

Sources: Morgan Stanley, Fool, China Tech Insights Report, Statista, The Motley Fool Not pushing too much ads is a **strategic decision** to ensure WeChat is about usefulness and task completion, and **not another advertising platform**.

WeChat is the backbone of Tencent



WeChat shows only **2 ads per day** vs 1 ad every 10 posts on Facebook. Ads from WeChat feed generate **93% less** revenue than Facebook's daily active user.



WeChat accounts for **70% of these revenues**, through mini-programs and WeChat Pay.



WeChat is like a **distribution platform** giving access to a range of Tencent services.

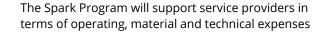
WeChat

x Users

## User's social graph brings huge potential benefits

WeChat aims at making business partners **better at delivering their user experience** so that end-customers feel happy to stay in WeChat's ecosystem.

#### A Spark Program to support third parties A \$15 million fund launched in 2016



The incentive plan covers a wide variety of industries including catering, retail, tourism, or transportation

\$1,500 gift packages given to boost growth of small service providers.

### Manage your community on WeChat

Official accounts: Membership, membership, and membership

Official accounts may be compared to a **very complete CRM tool** for brands to manage their audience.

#### Xiangqi Youxuan

Xiangqi Youxuan's official account is operated by a small team of 22 people.

At the first participation on the Single Day (11/11), they reached 1.5 billion RMB (around \$220M) sales on 2018.

WeChat x Partners



## A creativity-centric model that has changed the language of product marketing

WeChat works on virality. To emerge, a brand, a service or a product must be shared with friends.

Due to the fierce competition and the restrictive amount of ads on WeChat, brands must show **high level of creativity to create engagement**, especially in retail and luxury.



### **Coffee box**

Consumers could design and operate their own online coffee shop and sell coffee to their friends. The coffee was then delivered right to the friend's doorsteps.



Users x

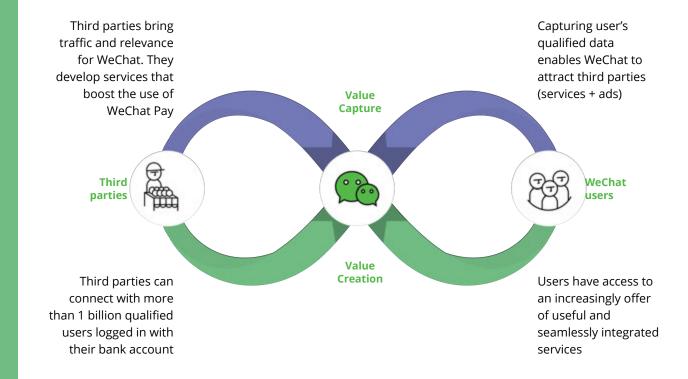
Partners

## Breitling

In a gamified H5 environment, users could receive a phone call from Daniel Wu, which lead them to explore the new brand message and signature products. This generated a high social buzz with more core fans and engagements on the organic content.

# WeChat captures value where it creates it

Tencent has set in place a balanced business model to increase user base, as well as business acquisitions and retentions:





# Network size is the new chic

# WeChat, the perfect business springboard

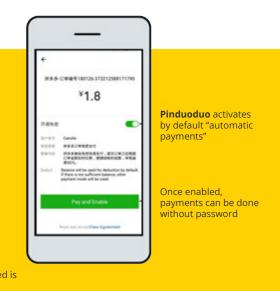
Chinese group-buying platform Pinduoduo uses **WeChat's traction to grow**. It's the **fastest growing e-commerce business** in a highly competitive sector **thanks to mini-programs**: between March 2017 and August 2018, **Pinduoduo MAU have increased from 3% to 31% of Alibaba MAU**.



Users can invite friends to use **Pinduoduo** in exchange for cash.



Pink is the price to buy directly, red is the price to group buy?





"By rolling so many functions into one single app, **WeChat has changed the definition of virality**. It's no longer images or tweets, or videos that can go viral, **it can be a business**. The aligned incentives of Tencent mean all businesses get the potential benefits of a user's social graph."

Viktor Makarsky Entrepreneur, CEO of Menu3

The company was founded in September 2015 and went public at a **\$24B valuation. Pinduoduo** is a member of WeChat's holding company (18,5% of PDD's stakes).

Source: WalkTheChat



How did Tencent use WeChat as a playground to set its domination?

# Share your audience

Through APIs, companies can give external businesses access to dedicated functionalities and assets. **WeChat goes beyond: it shares its existing user base** with brands and businesses. In the internet economy, what matters is **direct customer connections**.

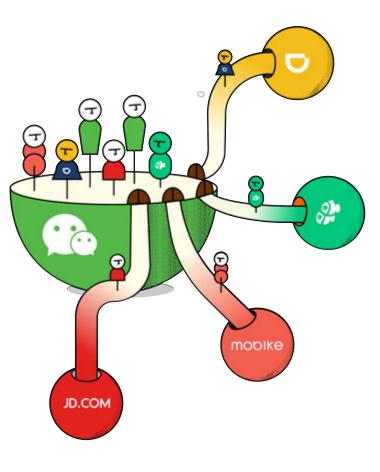
The objective of Tencent is not to take control over companies but to **take control of the distribution of the service**.

This strategy is a way to **aggregate even more traffic within** its app, in order to become a one-stop shop for any service.



This is the secret of so many chinese companies: sharing their user base and sharing their traffic to retain mind share and relevance"

**Connie Chan** Partner at a16z

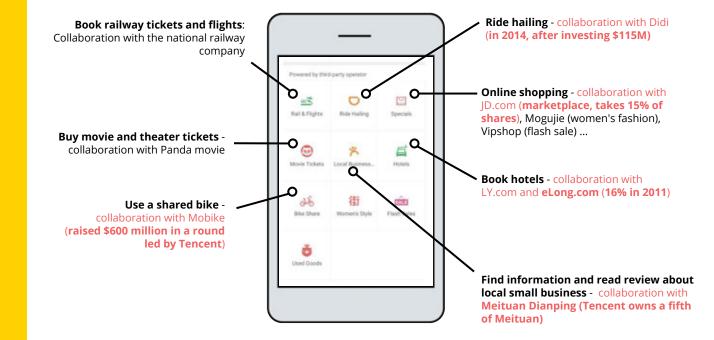


# Pick your champions

Due to its position – meeting point between users and suppliers – **WeChat is in a privileged position to spot promising business** and make the best of them succeed.

### WeChat is a framework in which businesses can grow and prosper

**WeChat picks up the best service providers** and adds them into available slots on its wallet. Being directly available on WeChat's wallet is like being featured on the front page of a magazine: there are Wallet's featured services... and the others.



# Ecosystem growth is the measure of real leaders... and their best weapons

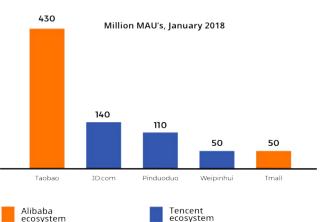
### The Softbank of China

65B\$ have been invested by Tencent in 350 companies since 2012.

Thanks to these investments, WeChat is able to **better fight** competitors, such as Alibaba, which wages war against WeChat for traffic and customer acquisition.

Tencent is not only service provider, it is an ecosystem builder that re-organises competition: Tencent picks out excellent startups and fosters these companies as its 'descendants'\* to ensure its long-term domination over competition.\*

# of unicorns backed



Alibaba ecosystem





Tencent creates value by connecting to its ecosystem the startups that it backs.

**Nicolas Du Cray** Partner at Cathay Innovation



Source: Bernstein Research \*Quote: Yingzi Yuan

GAFA defend their castle whereas BATX expand on many verticals



### The purpose of Chinese investments is to **build a system of allegiance to the group.**

After receiving investment, the company will have to ingrate with the ecosystem of the group and reject the competing ecosystem. Chinese and Western companies tend to have a dramatically different approach to expansion. In a few words: Western companies build products, while Chinese companies build ecosystems.

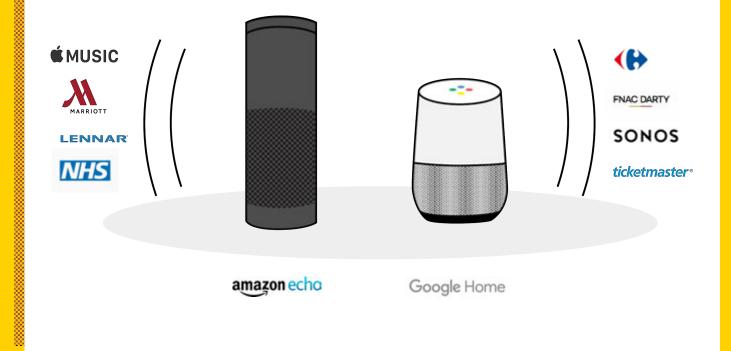
**Thomas Graziani** Co-founder, WalktheChat

# Your ecosystem is your value

# "Digital China is mostly a team sport"

Jeffrey Towson Expert on Digital China and Digital Competition Voice assistants are killer devices for many brands, particularly for retailers.

If the technology is important to attract users and developers, **the main difference lies on the integrated ecosystem that the users will have access to**.





# WeChat is eating the world

# Foreign expansion is a hard nut to crack

A global marketing campaign was launched in 2013, introducing a lighter version of Wechat in 15 countries.

### It failed for 3 reasons:



## Weakened value proposition abroad



# Strong competitors already in place

Entering mature markets is difficult, especially in the case of an instant messaging app, where the network effect plays a major role.

As American companies have learned in China, products that work well at home sometimes get lost in translation."

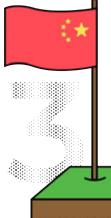
**Emily Parker** MIT



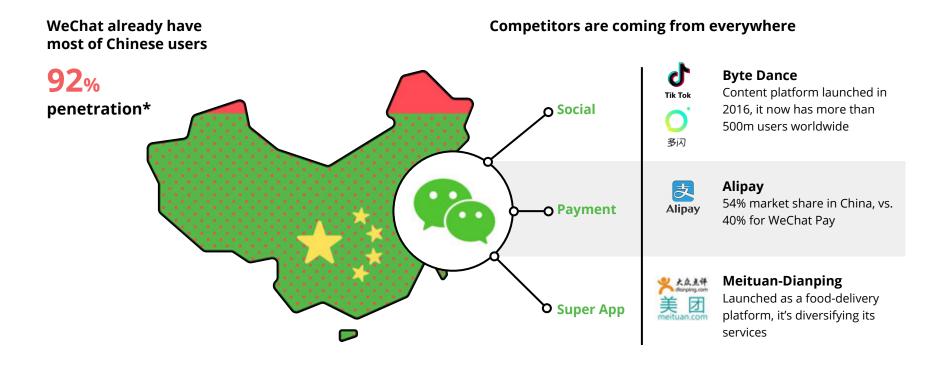
Introducing new markets without building the ecosystem upstream, leads to a decrease in the attractiveness of the app. Users didn't have access to the Wallet and all functionalities that make the value of the Super App.

**Different Culture** 

WeChat is very Chinese-centric product. Efforts to adapt to local cultures have not been sufficient, creating a discrepancy between users' expectations and Wechat offer.



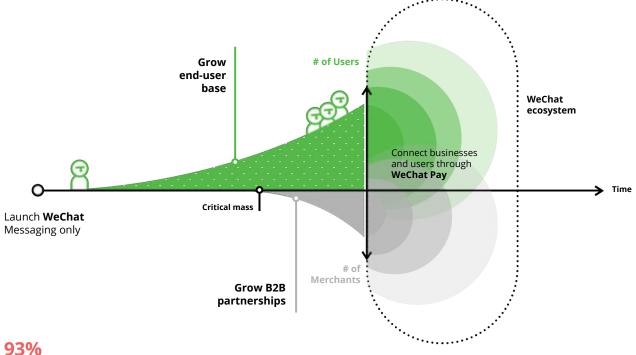
# WeChat reaches a growth cap in China and competitors are emerging





# Replicating the entire model in relevant markets

South-East Asian countries are particularly WeChat-compatible markets. By conquering new markets this way, WeChat is able to extend its user base:



# of penetration rate in Malaysia\*

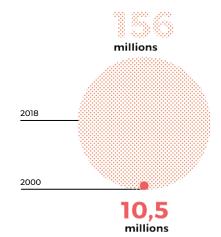
WeChat has been launched in 2012 as an Instant Messaging app. Since the activation of WeChat Pay in 2018, the value proposition is similar than in China.

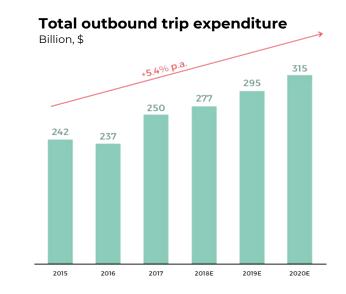
\*WeChat active users/ total internet users

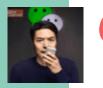
Capitalizing on Chinese diaspora to increase revenue through WeChat Pay

WeChat is not looking to replicate the same business model in the West. Instead, its focus will be on bringing international brands to its platform to sell more to the Chinese, alongside services for Chinese travellers abroad.

Annual overseas visits







WeChat has already reached the threshold of 1 billion users.WeChat's goal is not to expand the number of users now, we have to think about providing services for existing users.

Allen Zhang Founder and CEO of WeChat

Source: Chinese Tourist News

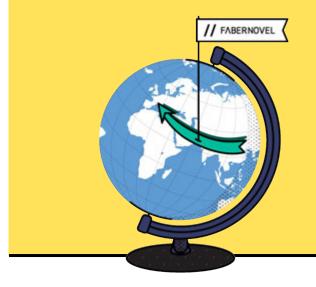
### WeChat Pay is WeChat's beachhead

## 49 countries where WeChat Pay is available

# **18** currencies

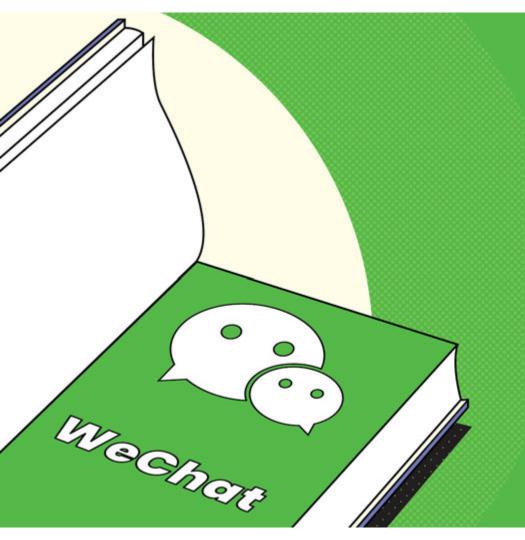
# Where can you pay with WeChat Pay in 2018?





# What are you waiting for?

For a private presentation, please contact: client\_office@fabernovel.com For media inquiries, please contact: medias@fabernovel.com



# Research

Paris-based team Nicolas Cabanes Guillaume Gombert Valentin Le Blan Tom Morisse Shanghai-based team Rachel Daydou Xiaolei Gu Patrice Nordey Jingjing Shen

# Communication

Joachim Martin Marina Dislich Zineb Akharraz Torikian Audrey Da Cruz Benoît Talabot

Design

### Special thanks to external experts

Matthew Brennan Founder of China Channel

Nicolas Du Cray Partner at Cathay Capital