

**My Case Studies:** <https://flashy-crown-862.notion.site/Matthew-s-Case-Studies-206121a9d5304bc5a9880dfa2da8564b>

## MATTHEW SHU

E: matthews1000140@gmail.com | P: +61 423 036 603 | <https://www.linkedin.com/in/matthew-shu/>

### EDUCATION

<b>University of Sydney</b> <i>Bachelor of Science / Doctor of Medicine – Majoring in Data Science</i>	<b>Sydney, Australia</b> <i>2020 – Expected 2027</i>
<ul style="list-style-type: none"><li>• <b>WAM: 91.5</b></li><li>• 1<sup>st</sup> in DATA1001, 1<sup>st</sup> in DATA2002, 1<sup>st</sup> in DATA3888, 5<sup>th</sup> in DATA2001, 8<sup>th</sup> in ANAT2008</li><li>• 2021 Centenary Institute Summer Research Scholarship</li><li>• Dean's List of Excellence in Academic Performance (2020, 2021)</li><li>• Academic Merit Prize (2020, 2021)</li><li>• University of Sydney Chancellor's Award Scholarship</li><li>• Combined Medical Association Public Relations Executive &amp; First Year Mentor</li></ul>	
<b>James Ruse Agricultural High School</b> <i>High School Certificate</i>	<b>Sydney, Australia</b> <i>2014 – 2019</i>
<ul style="list-style-type: none"><li>• <b>ATAR: 99.95, Dux/Valedictorian of 2019 (Top 0.01% of Australia)</b></li><li>• NSW State 8<sup>th</sup> in Physics, 9<sup>th</sup> in Chemistry</li><li>• Duke of Edinburgh Silver Award</li><li>• NSWCHS State U18 Cross Country Representative</li><li>• AMusA Pianoforte Diploma</li><li>• Prefect Body, Student Representative Council</li></ul>	

### PROFESSIONAL EXPERIENCE

<b>MissionMed</b> <i>Co-Founder w/ Dr Jason Yu, Mukund Karthik</i>	<b>Sydney, Australia</b> <i>January 2020 – Current</i>
<ul style="list-style-type: none"><li>• Grew our annual revenue stream to six figures through product development (Google Analytics, HotJar), grassroots marketing (SEO &amp; organic content, webinars, partnering with other businesses, career coordinators) and business automation (Make, Zapier)</li></ul>	
<b>Eucalyptus</b> <i>Growth Intern – Supervised by David Quan</i>	<b>Sydney, Australia</b> <i>February 2022 – Current</i>
<ul style="list-style-type: none"><li>• Built a statistically robust A/B testing pipeline that considered break-even periods and business costs unlike off-the-shelf solutions such as Google Optimise</li><li>• Wrangled customer data from Metabase w/ SQL, R to predict customers with high-risk of churn and produce recommendations for retention optimisation</li><li>• Used customer insights generated from SEMRush to strategise marketing angles for new products</li></ul>	
<b>Centenary Institute, Royal Prince Alfred Hospital</b> <i>Summer Research – Supervised by Dr Alex Wong</i>	<b>Sydney, Australia</b> <i>December 2021 – February 2022</i>
<ul style="list-style-type: none"><li>• Utilised Google Colab, PyTorch, FastAI to build a deep-learning computer-vision pipeline involving YOLOv5s object detection, ResNet object classification aimed at identifying diseased white blood cells in peripheral blood films</li></ul>	
<b>Concord Hospital, University of Sydney</b> <i>Research – Supervised by Professor Austin Ng</i>	<b>Sydney, Australia</b> <i>December 2019 – Present</i>
<ul style="list-style-type: none"><li>• Utilised Python &amp; R to create an automated, reproducible pipeline for data ingestion, cleaning &amp; manipulation of mitral valve surgery outcomes and assessed patient demographics, generated odds &amp; hazard ratios of patient survival &amp; risk factors and produce effective graphical visualisations</li></ul>	

### SKILLS & INTERESTS

**Skills:** Python, R, HTML, CSS, SQL, PHP, Integromat, Airtable, Adobe Illustrator/Premiere Pro/Photoshop  
**Interests:** Basketball, Table Tennis, Ice Skating, Web Development, Videography, Building PCs

### REFEREES

<b>Associate Professor Austin Ng</b> <b>Dr Jason Yu</b>	<b>chin.ng@sydney.edu.au</b> <b>jason.yu@myhealth.net.au</b>
--	---