

# SEAN MOROTA CHU

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## EDUCATION

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### University of New South Wales

Feb 2019 – Present

*Bachelor of Science in Engineering (Software) & Bachelor of Science (Mathematics)*

- Overall WAM: 86.6 (High Distinction)
- UNSW Elite Athlete - High Performance Sports Scholar
- UNSW Taste of Research Scholar
- ATAR: 99.45
- Shortlisted for Macquarie Software Engineering Prize
- Dean's list Highly Commended 2019

## EXPERIENCE

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### UNSW Faculty of Engineering | Data61 CSIRO

Jan 2021 – Present

*Research assistant*

- Assisted Dr Haris Aziz within the Algorithmic Decision Theory group at Data61 CSIRO in the research and development of matching algorithms for the school choice problem with added distributional constraints.
- Used python to implement matching algorithms and learned about computational microeconomics relating to creating Pareto-optimal solutions to matching markets

### UNSW Business School

Jan 2020 – Present

*PASS Economics Teaching Assistant*

- Collaborated with lecturer in charge and other teaching assistants to prepare classes for Microeconomics 1
- Successfully transitioned to an online teaching environment to deliver effective lessons through Collaborate Ultra

### Australian National U20 Fencing Team

Mar 2017 – Present

*Athlete*

- Represented Australia in various junior and senior international competitions
- Led national U20 team in team events at various junior competitions
- Ranked #1 in Australia for U20 age group (2019).

### Sydney Boys High School

Mar 2019 – Present

*Fencing coach*

- Collaborated with a team of coaches to instruct groups of up to sixty students at a time
- Instructed both technical and physical skills while also maintaining an emphasis on school culture

### UNSW Mahjong Society

Nov 2019 – Nov 2020

*Events Director*

- Directed a subcommittee of 5 members to plan and execute events on and off campus to build interest in Mahjong
- Liaised with Marketing committee to manage social media to increase awareness and reach of the society

## ADDITIONAL INFORMATION

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*Skills:* Programming: C, C++, CSS, Python, Haskell, HTML, Java, Git.

Fluent spoken languages: English, Japanese

Other: LaTeX, Microsoft office suite

*Interests:* Fencing, Mahjong, Golf