

SEAN MOROTA CHU

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EDUCATION

University of New South Wales

Feb 2019 – Present

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

- Overall WAM: 87.125 (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

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

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

Fluent spoken languages: English, Japanese

Other: LaTeX, Microsoft office suite

Interests: Fencing, Mahjong, Golf