

HENGCHENG ZHANG

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Education

The Australian National University

Feb 2020 – Dec 2022

Bachelor of Science in Mathematics and Computer Science | Average Score: 74.1/100

Canberra, Australia

- Relevant course work: Mathematics and Applications II, Applied Mathematics II, Structured Programming, Relational Databases, Scientific Computing, Web Development and Design, Data Wrangling and Advanced Topics in Machine Learning

Experience

Capability Wise

May 2021 – present

Internship

Canberra, Australia

- Practise Agile methodology.
- Contributed to build SERR(Sharing Economy Reporting Regime) spreadsheet.

QuantEcon

Mar 2023 – Mar 2024

Lead Developer

Canberra, Australia

- Built online open source lectures series in Python and economics.
- Contributed to open source Python package on GitHub.
- Maintained homepage website.
- Link to homepage QuantEcon.

Fosun Pharma

Dec 2021 – Jan 2022

Internship

Shanghai, China

- Built two financial models for business projects with Microsoft Excel.
- Helped improve one financial model.
- Created slides for three business proposals of three projects.

Extracurricular

ANU SRC Hack-a-thon | anu.edu.au/students/student-life/anu-student-research-conference-hack-a-thon

Sep 2022

- Achieved third place in the ANU Student Research Conference Hack-a-thon.
- Worked with random team members as a group and designed a solution for the given question.

ASA DataFest | science.anu.edu.au/news-events/events/asa-datafest

Apr 2022

- Attended in the American Statistical Association DataFest at ANU.
- Analysed real-life data at the size of 1.5 Gb.

Themed Website | www.zhcinitproject.com

May 2020

- A themed website based on HTML/CSS and JavaScript.

Skills

Technical Skills: Jupyter Book, Python, Scala, Java, MATLAB, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, GitHub, Unix Shell, IntelliJ, Tex

Languages: Fluent in English and Mandarin, entry level of Spanish

Research Projects

Paper of Quantecon.py | <https://joss.theoj.org/papers/10.21105/joss.05585>

Jan 2024

- One of the co-authors of paper describing the open-source Python library QuantEcon.py.

Economic Networks: Theory and Computation | <https://networks.quantecon.org>

Sep 2023

- A book in computational network science.
- Written by Thomas J. Sargent and John Stachurski.
- Cleaned and updated the old datasets to latest ones.
- Replotted some figures to match the new datasets.

A First Course in Quantitative Economics with Python | <https://intro.quantecon.org>

Jun 2023

- An introductory lecture of computational economics in Python facing undergraduate students.
- Written by Thomas J. Sargent, John Stachurski, and the rest of the QuantEcon team.
- Written several lectures, reviewed pull requests on GitHub and maintained the style of the lectures.

Quantitative Economics with JAX | <https://jax.quantecon.org>

May 2023

- Quantitative economic modeling lecture using Google Jax.
- Written by Thomas J. Sargent, John Stachurski, and the rest of the QuantEcon team.
- Written one lecture on Newton's Method and maintained the lecture website.