

# HENGCHENG ZHANG

[in](https://www.linkedin.com/in/hengcheng) [linkedin.com/in/hengcheng](https://www.linkedin.com/in/hengcheng) [github.com/HengchengZhang](https://github.com/HengchengZhang) [✉](mailto:hengcheng.zhang@outlook.com) [hengcheng.zhang@outlook.com](mailto:hengcheng.zhang@outlook.com)

## Education

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### 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: Structured Programming, Programming as Problem Solving, Computer Organisation and Program Execution, Relational Databases and Advanced Topics in Machine Learning

## Experience

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### Capability Wise

May 2024 – Aug 2024

*Internship*

*Canberra, Australia*

- Implemented Agile methodologies in real world business project.
- Led a team of four as scrum master during the whole project.
- Designed and developed SERR(Sharing Economy Reporting Regime) spreadsheet as full-stack developer.

### QuantEcon

Mar 2023 – Mar 2024

*Lead Developer*

*Canberra, Australia*

- Delivered online open source lectures series in Python and economics.
- Contributed to development and maintenance of open source Python package on GitHub.
- Maintained and improved homepage website.

## Research Projects

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**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 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.
- Authored 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.
- Authored a comprehensive lecture on Newton's Method, contributing to the overall curriculum.

## Extracurricular

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**Personal Website** | [www.hengchengzhang.com](http://www.hengchengzhang.com)

Aug 2024

- Built and launched personal website using Jekyll.

**ANU SRC Hack-a-thon**

Sep 2022

- Achieved third place in the ANU Student Research Conference Hack-a-thon.
- Collaborated with a diverse team and designed a solution for the given question.

**ASA DataFest**

Apr 2022

- Participated in the American Statistical Association DataFest at the ANU.
- Analysed real-life data at the size of 1.5 Gb.
- Applied data wrangling and multi-variable regression modelling with Python.

## Skills

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**Technical Skills:** Python, Java, Excel, SQL, Power BI

**Developer Tools:** VS Code, GitHub, Unix Shell

**Languages:** Fluent in English and Mandarin