

# Zheyuan Ryan Lai

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## EDUCATION

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### National University of Singapore (NUS)

Aug 2023 - Jul 2027

#### Bachelor of Science (Hons) in Statistics

- GPA: 4.6/5.0
- Core Courses: Intro to Statistics and Statistical Computing (A), Programming Methodology (A+), Calculus (A+)

### Southern University of Science and Technology (SUSTech)

Aug 2022 - Jun 2023

#### Common Core

- GPA: 3.89/4.00; Rank: 29/1198
- Core Courses: Calculus I (A+), Calculus II (A+), Linear Algebra (A), Advanced Linear Algebra (A), Intro to Python Programming (A), Macroeconomics (A)

## RELEVANT COURSE PROJECTS

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### Economic Data Analysis Project

Nov 2022 - Feb 2023

- Created economic data visualizations for city-wide trends (2010-2019) in China, encompassing population, urbanization, and disposable income during the *Introduction to Python Programming* course at SUSTech.
- Utilized Pandas data frames and NumPy for data manipulation and Matplotlib for creating insightful plots and charts, uncovering trends and patterns.

### Macroeconomic Research Project

Feb 2023 - Jun 2023

- Applied macroeconomic analysis techniques from class to conduct research to discuss causes and impacts of financial crises, comparing 1997 Hong Kong and 2008 USA crises.
- Led a team of 4 in retrieving data from Wind and analysing articles from NBER for comprehensive insights.

### Text-based RPG Project

Dec 2022 - Jan 2023

- Developed a text-based RPG game utilizing Object-Oriented Programming (OOP) principles in Python during the *Intro to Python Programming* course at SUSTech.
- Implemented contest features to the RPG game for multiple users, enhancing user engagement and interactivity.

## VOLUNTEERING EXPERIENCE

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### Voluntary English Teacher

Sep 2022 - Jan 2023

- Engaged in a voluntary teaching initiative at SUSTech, where instructed a primary school class of over 40 students in beginner-level English.
- Cultivated a strong enthusiasm for English language acquisition within student body, yielding a remarkable 20-point upswing in class's average scores.

### Voluntary Tutor for Underprivileged Student

Jan 2021 - Jun 2021

- Engaged in a five-month voluntary tutor program during high school, dedicated to educating a student from a poverty-stricken area in rural Fujian Province.
- Witnessed significant academic improvements: Math scores improved from 80/150 to 130/150; English scores improved from 75/150 to 135/150.

### COVID-19 Response Volunteer, Team Leader

Mar 2020 - Jul 2020

- Led a team of 10 during the height of the COVID-19 pandemic to ensure organized and safe dining practices in the high school canteen.
- Implemented protocols and guidelines to minimize the risk of virus transmission, contributing to a safer school environment, winning over 80% of positive feedback.

## SKILLS & LANGUAGES

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- Software: Microsoft Office, Python (including NumPy, SciPy, Pandas, Seaborn, Matplotlib), R, C/C++
- Language: Mandarin (Native), English (Proficient)