DING FENG

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EDUCATION

National University of Singapore   August 2023 - Present

B.Comp. in Computer Science
Minor in Mathematics and Economics

· Recipient of Science & Technology Undergraduate Scholarship

Interesting courses taken:

Discrete Structures	Data structure and Algorithms	Theory of Computation
Linear Algebra II	Multivariable Calculus	Logic in Computer Science

Overall GPA: 4.69 (Highest Distinction)

PERSONAL INTERESTS

I love building new things with the help of computer and mathematics. I love cooperating with other people. For now, my focus is mainly on Logical Verification of Software and Mathematics in Finance.

EXPERIENCE

National University of Singapore   Aug 2024 - Present
Teaching Assistant   *Singapore*

· Teaching CS1231S-Discrete Structures.

National University of Singapore   Aug 2024 - Present
Software Engineer   *Singapore*

· Add the support for a LEAN Sub-language in Source Academy (a widely used system for teaching in NUS), under the supervision of Prof. Martin Henz.
· Get familiar with programming language concepts such as lexing and parsing.
· Get familiar with LEAN programming language, as well as some basic knowledge in Logical Verification of Software.

Orbital - Software Engineering Program @ NUS   May 2024 - Aug 2024
Software Engineer   *Singapore*

· Build a fully operational music player, with various distinct functions including mode switching and AI music recommendation.
· Co-manage the progress of the project.
· Co-develop the front-end of the project, more than 16,000 lines were written for the codebase based on Flutter.
· Co-develop the complex back-end of the project, which is based on Django.

New Oriental Education & Technology Group   Mar 2023 - Jun 2023
     Jul 2024 - Aug 2024
Teaching Assistant   *Tianjin, China*

· Full-time internship as teaching assistant for Mathematics and Physics.
· In charge of a class with about 10 students. Manage their attendances and make sure they complete their homework on time.
· Answer students' various questions when they need. The questions are majorly from A-level, AP, and Chinese Gaokao curricula.
· Received widely positive reception.

Research Workshop   Jun 2022 - Sep 2022

Researcher   *Tianjin, China*

· Joined a project-based research, exploring machine learning methods to analyze and predict stock prices.

· Enhanced Python programming skills and got familiar with a large set of the external libraries.

· Learned how to conduct data processing and analysis, construct statistical models, and measures to evaluate model's performance.

· Completed a paper, The Research on the Prediction of Cryptocurrency Based on Linear Regression and LSTM.

TECHNICAL STRENGTHS

Programming Languages	Java, Python, C++, Dart, JavaScript, LEAN
Frameworks	Flutter, Django, ReactJS
Databases	MySQL
Tools	VSCode, Vim, LATEX, Jetbrains IDEs, Microsoft Office