

## Education

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**University of Illinois, Urbana-Champaign**

August 2024 - December 2025

M.S. Financial Engineering, Grainger College of Engineering

**Relevant Coursework:** Finance, Statistics, Recursive Identification, Monte Carlo Simulation, Black-Scholes Model, Financial Computing, Financial Derivatives, Stochastic Calculus, Optimization in Finance, Term Structure Models, Market Microstructure**University of California, Davis**

September 2017 - December 2023

B.S. Computer Science

**Relevant Coursework:** Data Structures, Algorithm Design & Analysis, Data Structures, Probability, Stochastic Statistics, Agent-Based Modeling, Machine Dependent Programming, Computer Networks, Computer Architecture, Machine Learning, Operating Systems, Macro-Economics, Micro-Economics, Accounting

## Technical Skills

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**Programming Languages:** Python, C++, Java, Linux, SQL, R, Excel

## Research Projects

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**Prompt Engineering Research, University of California, Davis**

September 2023 - March 2024

- Developed market sentiment analysis program using LLM and prompt engineering under Professor Keer Yang.
- Webscraped news headlines from various financial news websites using Selenium and fed them through an LLM.
- Engineered prompts to analyze market sentiment for decisions on going long or short on the market.

**UC Investments Academy, University of California Davis**

September 2023 - December 2023

- Received financial education program, focusing on asset management.
- Participated in online self-study modules on personal finance.
- Participated in team projects in asset management and virtual seminars with industry experts.

**Tech Lead, Google Developer Student Club, University of California**

Nov 2021- June 2023

- Developed a group chatting app, Bantr, with Firebase authentication and Cloud Firestore.
- Designed UI using Figma. Available on iOS and Android.
- Benchmarked popular social network apps for a new chatting app.
- Gained front-end and back-end development experience with Flutter and Express.

## Work Experience

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**Python Tutor, University of California, Davis**

Jan 2019 - May 2019

- Instruction & Mentorship: Delivered comprehensive tutoring in Python programming to undergraduate students, enhancing their coding proficiency and problem-solving skills.
- Communication & Leadership: Cultivated advanced communication abilities by explaining complex technical concepts in an accessible manner, and fostered a collaborative learning environment.
- Expertise Development: Further deepened my technical expertise in Python through the preparation and adaptation of teaching materials to meet diverse learning needs.