

Gregory Karaev

917-288-5755 | gregory.karaev@gmail.com | 25 Central Park W Apt 10A, New York, NY 10023

Career Objective

I'm looking for the opportunity to work in Financial Services and leverage my experience in software engineering frameworks. I am a prospective Math and Computer Science double major at UChicago, with a focus on Finance and Economics. I have expertise in software development and Fintech, and would like to broaden my knowledge and gain experience working more directly with financial markets.

Education

University of Chicago

Planned Double Major in Math and Computer Science

New York, NY

Sep. 2024 – Jun. 2028 (Expected)

Hunter College High School

Dual Enrolled at CUNY Hunter College, CS Teaching Intern, Math Department Tutor

New York, NY

Sep. 2018 – Jun. 2024

Experience

Engineering Intern

WorkFusion

Jun. 2023 – Aug. 2023

New York, NY

- Worked in Java on AI models for KYC and Due Diligence bots
- Reworked the billing back-end for enterprise customers and solved various bugs across the front-end UI/UX

Data Analytics Intern

Roko Labs

Jun. 2022 – Aug. 2022

New York, NY

- Worked with PostgreSQL and Elasticsearch to query production databases and used Python and AWS to automate queries and flag high-use customers

Further Projects

Teaching Intern

Hunter College High School Math Department

Sep. 2023 – Present

New York, NY

- Taught lessons on Logic Gates, Algorithms, and Sorting
- Graded all CS theory homework and offered review sessions for quizzes and projects

Teacher

Steel City Codes

Apr. 2023 – Jun. 2023

New York, NY

- Worked as a volunteer with two classes of Middle School students teaching Intro and Intermediate Java

Custodial Portfolio

- Managed an equity-based college portfolio, generating greater than 250% returns over the course of seven years
- Conducted daily research on portfolio companies, tracked company performance, and analyzed risk

C++ Graphing Calculator

- Created an expression parser to convert text-based input to formulas and created a gui with tk to plot their outputs

Neural Network from Scratch

- Used numpy to create a basic neural net framework and trained it on a Kaggle handwriting database

Skills

Programming Languages: Java, Python, SQL, C++, Javascript, HTML/CSS

Libraries/Frameworks: Pandas, Numpy, Tensorflow, Keras, tk/tkinter, Apache Maven