

Ursula Ott

544 W 110th St. | New York, NY 10025

u.ott@columbia.edu | 408.242.4587

Education

Columbia University, New York, NY

B.S Operations Research, (Expected May 2022)

- Cumulative GPA 3.4/4.0
- Major in Operations Research, minor in Computer Science
- Courses: Intro to Accounting and Finance, Advanced Programming (C/C++), Probability and Statistics, Discrete Math Multivariable Calculus, Data Structures (Java), Python, Principles of Economics

Stanford University, Stanford, CA

Electrical Engineering and Computer Science Coursework, (Completed September 2017)

- Courses: Intro to Electrical Engineering, Programming Methodologies in Java

The King's Academy, Sunnyvale CA

High School, (Completed May 2018)

- AP Classes: Calculus BC, Statistics, Macroeconomics, Computer Science, Physics
- Cumulative GPA 4.37 (weighted) | 3.94 (unweighted) | SAT 1540 (Math 800, Verbal 740)

Work Experience

Hailify, Inc.

New York, NY

Software Engineering and Data Science Intern

June 2019 - Current

- Utilized Go and PostgreSQL to implement backend server infrastructure and logic. Developed, maintained, and tested multiple data pipeline microservices. Created data processing scripts to prepare data for the senior data scientist.
- Derived insights from ridesharing data using Python with pandas and numpy, created visualizations from the data.
- Worked with executives to develop business strategy and UI/UX design based on quantitative metrics.

Math and Science Tutor

Cupertino, CA

Freelance

2016 - 2018

- Created Android application Studium that gamified the process of learning Chemistry and Biology concepts.
- Tutored students in math, chemistry, and physics, assisted in the development of problem solving skills.
- Prepared evaluations and practice problems to track improvement and provide performance metrics to parents.

Leadership

Columbia Financial Investment Group

New York, NY

Executive Board - Head of Technology

April 2019 - Current

- Served as a board member of Columbia's largest undergraduate student finance organization.
- Maintained CFG website, added pages for events, designed user interface. Added list of finance resources for beginners.
- Reached out to finance professionals and met with them to recruit possible event speakers for the club.
- Led club events such as corporate panels and individual speakers. Facilitated mentorship program with Columbia Business School. Recruited interested students to join the club.

Varsity Cross Country & Track Team Captain

Sunnyvale, CA

The King's Academy High School

2016 - 2018

- Led cross country and track team runs, weight room workouts, and warmups. Served as a liaison to the main coaches.
- Created text message system to help organize the team before races and events. Organized transportation to races.

Skills & Interests

Programming Languages

- *Advanced Proficiency:* Go, Java, Python | *Intermediate Proficiency:* Ruby, HTML/CSS, PostgreSQL

Other Skills

- Data Science, Excel, Powerpoint, UI/UX Design, Photo Editing in Lightroom, Public Speaking

Clubs and Organizations

- Columbia Quant Group, Columbia Women's Rugby Team, Women In Computer Science, Columbia Organization of Rising Entrepreneurs, Society of Women Engineers

Interests

- *Academic:* Algorithmic Trading, Econometrics, Financial Technology, Game Theory, Behavioral Economics, Psychology
- *Non-Academic:* Running, Backpacking and Camping, Photography, Small-batch artisanal breadmaking