

FLORA M. PARK

4022 Lerner Hall, 2920 Broadway, New York, NY 10027
(347) 265 – 2337 | flora.park@columbia.edu | florapark.io

EDUCATION

Columbia University, The Fu Foundation School of Engineering and Applied Science **New York, NY**
B.S. in Computer Science **Expected May 2018**

- **GPA:** 4.0 (All Semesters Dean's List)
- **Honors:** King's Crown Leadership Excellence Community Award ('17), Outstanding First Year Residential Advisor Award ('17), Robert D. Lilley Award for Socially Responsible Engineering ('17), Zvi Galil Award for Improvement in Engineering Student Life ('15), Tau Beta Pi National Engineering Honor Society, National Residence Hall Honorary

EXPERIENCE

Optimizely **San Francisco, CA**
Software Engineering Intern **May 2017 – Present**

- Work as a backend engineer to create API endpoints for clients and discuss architectural challenges with senior developers
- Create public REST API in Python for Optimizely's mutually exclusive group in Optimizely X products, a functionality that allows A/B testing audiences to be bucketed in experiments without repetition for optimal experimentation

Department of Computer Science, Columbia University **New York, NY**
Undergraduate Researcher **August 2016 – Present**

- Worked with Dr. Alexandr Andoni to analyze asymmetric query complexities to find and prove a near-linear algorithm for the edit distance problem in poly-logarithmic approximations by breaking strings into sub-strings of arity \log^n recursively to subsample partial edit distance and approximating bounds with the Chernoff bound

Warby Parker **New York, NY**
Software Engineering Intern **June 2016 – August 2016**

- Worked as a full-stack engineer to create backend APIs related to sales order details in PostgreSQL and Python
- Developed a map data tool that displays products at their shipping addresses in real time, using JavaScript, HTML5, CSS3, and AWS technology (S3 buckets and lambdas) for the application to render server-less
- Awarded 1st place in the intern hackathon by building a LMS platform to allow new hires to learn Warby Parker products, including flashcard tools, animated games & quizzes, and leaderboards to foster a better learning experience

The D. E. Shaw Group **New York, NY**
Selected Discovery Fellow **May 2016**

- Invited to a week-long program as one of 20 selected fellows to explore the intersections of finance and technology
- Discussed optimization, market forecasting, and software engineering in financial markets with senior executives

LEADERSHIP

Application Development Initiative (ADI) **New York, NY**
President **November 2014 – Present**

- Commit 30+ hours weekly to manage overall affairs of ADI, Columbia's student-led tech club, by leading mentorship programs, weekly Cookies & Code, and Columbia's annual hackathon DevFest to foster a healthy CS community
- Helped organize a week-long program Jumpstart for Aspiring Developers & Entrepreneurs to visit 10+ tech companies in NYC and mentored participants to build their own websites by teaching JavaScript and HTML5/CSS3

Department of Computer Science, Columbia University **New York, NY**
Undergraduate Teaching Assistant (Head TA) **August 2015 – Present**

- Discrete Mathematics ('15 - '16), Computer Science Theory ('16 - '17), and Analysis of Algorithms (Fall '17)
- Administer weekly office hours, hold review sessions, and created course material to assist ~250 students

Office of Residential Life, Columbia University **New York, NY**
Resident Advisor – Hall Council Liaison **August 2016 – Present**

- Oversee the well-being of college students as peer resource for counseling, conflict mediation, and crisis reporting
- Host bi-weekly programs aimed at fostering a sense of community, celebrating diversity & promoting student health

SKILLS AND PERSONAL INTERESTS

Skills: Python, Java, C/C++, MIPS Assembly, JavaScript, HTML5, CSS3, jQuery, SQL (PostgreSQL, MySQL), Flask, Git

Personal Interests: Swimming, Hip-hop Dancing, Digital Photography and Creative Content