

lauren_zhang

(717) 585-1441
laurenweizhang@gmail.com

EDUCATION

Barnard College, Columbia University • May 2018

Bachelor of Arts in Computer Science, *cum laude*, Minors in Art History and Gender Studies

EXPERIENCE

BuzzFeed • New York, NY

SOFTWARE ENGINEER

JULY 2019–PRESENT

BuzzFeed • New York, NY

ASSOCIATE SOFTWARE ENGINEER

JULY 2018–JUNE 2019

BuzzFeed • New York, NY

SOFTWARE ENGINEERING INTERN

JUNE–AUGUST 2017

- Automated the generation of custom ad audiences on Facebook primarily using Python
- Built Cron-like scheduler for daily audience generation
- Built series of queue readers to create or update audiences using NSQ, internal APIs, and Facebook API
- Built database with an API interface to store audience metadata using Tornado and MySQL
- Participated in project's architectural review, informal code reviews, and daily stand ups
- Won "Best Use of an API" for *BF, RN*, a project designed and built during company-wide hack week

Computer Science Department, Columbia University • New York, NY

TEACHING ASSISTANT FOR ADVANCED PROGRAMMING

SEPTEMBER 2016–MAY 2017

- Led recitations on C/C++ programming, UNIX command line tools, Git, and TCP/IP networking
- Mentored students during office hours and via email
- Reviewed 20 programming assignments weekly
- Proctored and graded midterm and final exams
- Organized and offered mentorship during class-wide hackathon every semester

Center for Computational Biology, Columbia University • New York, NY

PROGRAMMING ASSISTANT FOR ITSIK PE'ER'S LAB

JUNE–AUGUST 2016

- Optimized algorithm for inferring regulation of gene expression by updating large-scale matrix multiplications to run on GPUs using CUDA C++

PROJECTS

UNION: Imperative programming language designed for set operations and manipulations

SOUNDTOPOGRAPHY: Social music player that changes song based on user's GPS coordinates

BF, RN: Content discovery tool that automatically curates BuzzFeed content based on user's current mood

SKILLS

LANGUAGES: Python, Go, C/C++, Java, OCaml, JavaScript, HTML/CSS

TOOLS: NSQ, MySQL, PostgreSQL, Google BigQuery, Google Cloud Storage, Tornado