

Amy Li

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EDUCATION

Brown University - Expected B.S. in Computer Science-Economics, GPA 3.77 *Providence, RI*
Courses include: Software Engineering, Distributed Systems, Computer Systems, Algorithms and Data Structures, Programming Languages, Artificial Intelligence, Logic for Systems, Linear Algebra, Econometrics *2017-2021*

Honeoye Falls-Lima High School *Honeoye Falls, NY*
Salutatorian, National Merit Scholarship Corporation Finalist, Girls State Delegate, AP Scholar with Distinction *2014-2017*

WORK EXPERIENCE

Google – Software Engineering Intern, Funding Choices (Ads) *New York, NY*
Summer 2020

- Developed and launched new metering feature for the ad blocking messaging product (similar to a paywall), with the goal of driving down website bounce rates. Used Java, Javascript, Guice dependency injection, and Google internal frameworks for microservices and async dependency graphs
- Implemented browser storage and browser-server communication for feature, designed metering logic for complex message selection RPC service, and wrote extensive integration tests for feature launch

Google – Engineering Practicum Intern, Duo (Comms) *Kirkland, WA*
Summer 2019

- Implemented new Group Clips feature on Duo Android app using Java, Android development, Dagger dependency injection, and Guava's ListenableFutures library. Group clips has launched and is visible to millions of users
- Created new experiences such as sending and receiving group clips, group activity history, and handling blocked users
- Wrote extensive unit and end-to-end Espresso tests and triaged feature launch bugs to prepare for production

Brown University – Teaching Assistant, Computing Foundations *Providence, RI*
Fall 2018

- Taught students about essential data structures, algorithms, and introductory data science
- Created course materials and philosophy, graded assignments, led labs, and held office hours

Ellevest – Software Engineering Intern *New York, NY*
Summer 2018

- Implemented improvements in Client App and Back Office App, the internal tools used by the company's financial advisors and Client Experience Team members
- Debugged and wrote scalable code for fast-growing fintech startup using Ruby on Rails, Docker, HTML, and CSS

Campuswire – Student Design Team Intern *New York, NY*
Summer 2018

- Contributed to product design and company growth plan for newly launched edtech startup
- Created media for marketing campaigns and initiated outreach to potential customers

PROJECTS

Raft *Providence, RI*
April 2020

- Implemented total-ordered and fault tolerant Raft protocol for distributed consensus, similar to Paxos
- Handled leader election, log replication, log commitment, and client interaction

Tapestry *Providence, RI*
March 2020

- Implemented Tapestry protocol for distributed object location and retrieval (DOLR), similar to Chord
- Wrote key-based routing using prefix-routing algorithm, published and retrieved data, and maintained fault tolerance

Maps *Providence, RI*
March 2019

- Implemented full stack primitive Google Maps application using Java, Javascript, HTML, and CSS
- Used SQL querying, caching optimizations, and concurrency to render interactive map of Rhode Island with ability to provide shortest path between two locations, integrating real-time traffic data

SKILLS

Java	C	Javascript	Scala	Ruby	Linux	Git	React
Go	Python	HMTL/CSS	OCaml	Android	Bash	SQL	Rails

CAMPUS INVOLVEMENT

Women in Computer Science (Mentor), Brown Entrepreneurship Program Tech Team (Engineer), Club Swimming, Watson Institute Political Science Seminars - Tom Perez, Michael Steele, and Edward-Isaac Dove, Pit Orchestra, Club Table Tennis