Amy Li

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EDUCATION

Brown University- Expected B.S. in Computer Science-Economics, GPA 3.81   *Providence, RI*
Courses include: Software Engineering, Distributed Systems, Computer Systems, Algorithms and Data   *2017-2021*
Structures, Programming Languages, Artificial Intelligence, UI/UX, Linear Algebra, Econometrics, Big Data

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*
- Developed and launched new metering feature for the ad blocking messaging product (similar to a   *Summer 2020* 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*
- Implemented new Group Clips feature on Duo Android app using Java, Android development, Dagger   *Summer 2019* 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*
- Taught students about essential data structures, algorithms, and introductory data science   *Fall 2018*
- Created course materials and philosophy, graded assignments, led labs, and held office hours

Ellevest – Software Engineering Intern   *New York, NY*
- Implemented improvements in Client App and Back Office App, the internal tools used by the   *Summer 2018* 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*
- Contributed to product design and company growth plan for newly launched edtech startup   *Summer 2018*
- Created media for marketing campaigns and initiated outreach to potential customers

PROJECTS

Raft   *Providence, RI*
- Implemented total-ordered and fault tolerant Raft protocol for distributed consensus, similar to Paxos   *April 2020*
- Handled leader election, log replication, log commitment, and client interaction

Tapestry   *Providence, RI*
- Implemented Tapestry protocol for distributed object location and retrieval (DOLR), similar to Chord   *March 2020*
- Wrote key-based routing using prefix-routing algorithm, published and retrieved data, and maintained fault tolerance

Maps   *Providence, RI*
- Implemented full stack primitive Google Maps application using Java, Javascript, HTML, and CSS   *March 2019*
- 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 Dovere, Pit Orchestra, Club Table Tennis