LAURA HU

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EDUCATION AND ACTIVITIES

Columbia University in the City of New York   New York, NY
Bachelor of Science in Computer Science   *May 2018*
  Community Outreach Committee Member, Society of Women Engineers
  Summer Immersion Program Teaching Assistant, Girls Who Code

Troy High School   Fullerton, CA
Computer Science Magnet Program   *May 2014*

EXPERIENCE

Software Engineering Intern   September 2017 - November 2017
Facebook   *New York, NY*

· Wrote serverside code using Python on Instagram Explore. Integrated parts of the Facebook stack using Hack.
· Created and maintained data pipelines in Hive.
· Collaborated with PMs and client side engineers to push a feature currently in testing.

Software Engineering Intern   May 2017 - August 2017
Google   *Chicago, IL*

· Designed and implemented a library extension that generically reads sparsely from a large repository of data. Wrote in C++.
· Chained the library extension with others to mimic pre-existing read logic, and integrated it into the client interface using a proprietary command language.
· Work resulted in more portable logic and cleaner code, as well as parallelisation of reading process.

Engineering Practicum Intern   May 2016 - August 2016
Google   *Seattle, WA*

· Wrote the server and frontend interface for a web dashboard that monitors the health of the vm migration process by visually displaying the data through a colour coded table and charts.
· Used Go serverside to handle requests, and AngularJS and Angular Material for the UI elements.
· Used Goyacc to write a SQL macro translator to recursively expand macros defined in SQL scripts. Supported recursive macros and macros with arguments with correct scoping.

QA Intern   January 2015 - May 2015
Betaworks   *New York, NY*

· Manual QA of mobile applications and websites including Alphaworks investment page for Giphy, and Instapaper and Digg browser, Android, and iOS applications.
· Wrote 10 reports and spreadsheets detailing the circumstances for reproducible bugs ranging from layout errors to app crashes, and provided general user feedback to the design teams.

Research Intern   June 2013 - August 2013
Cedars-Sinai Medical Center   *Los Angeles, CA*

· Automated research process by using Java to search through publically available chemical databases for small molecules, and by using Python to run these molecules through molecular docking software.
· Built a database of over 10,000 research relevant molecules and their docking results.