

# JEFF LIN

 lyyjeff  lyyjeff

## EXPERIENCE

---

### Google

June 2019 - Present

*Software Engineering Intern: Ads*

- Worked on migration and deprecation of several sections on the Display & Video 360 UI in an effort to reduce overall page load time by close to 40%
- Implemented new sections of the UI with the AngularDart framework given strict design mocks and release deadlines
- Utilized Remote Procedural Calls and Protocol Buffers for client-server data plumbing
- Wrote extensive integration, component, and unit tests with JUnit and AngularDart test libraries
- Communicated directly with project managers, UX designers, and engineers across different teams on feature implementation decisions

### Google

September 2018 - December 2018

*Software Engineering Intern: Hardware - Home*

- Worked on an unreleased feature in the Home Android App
- Given a set of requirements, designed appropriate UI/UX solution for the feature, and implemented it following the MVVC design pattern
- Set up client-side code to retrieve data from gRPC servers
- Used Dagger for dependency injection, and an internal version of Mercurial for source control

### Amazon

May 2018 - July 2018

*Software Development Engineer Intern: AWS Payments & Fraud*

- Designed and created internal tool aimed at reducing time taken to troubleshoot tickets for developers working in AWS Payments
- Built two micro-services from the ground up to decouple the front-end and back-end
- Created front-end with NodeJS and React, utilizing libraries such as React-Redux and React-Router
- Utilized the Spring Framework in the back-end for dependency injection, and building REST endpoints for client-server communication

## SKILLS

---

**Languages:** Java, Python, Dart, JavaScript, C/C++, SQL

**Technologies:** Android, Angular, Proto2, ReactJS, NodeJS, Spring, SciPy, NumPy

**Others:** Git, Mercurial, Linux, Bash, LaTeX, OpenMP

## EDUCATION

---

### University of Toronto

September 2015 - January 2020

*Honours BSc Computer Science Specialist*

- Software Design, Operating Systems, Machine Learning, Parallel Programming, Relational Databases, Natural Language Processing

## PROJECTS

---

**StudyCat** *JavaScript, Python, Android, NodeJS, Firebase*

- An application to gamify productivity by promoting productive activities with cute cat gifs
- Built server to integrate with Firebase database, core desktop application, and Android application

**AdStalker** *Python, JavaScript, ReactJS, NodeJS*

- Developed a tool for visualizing advertisement data provided by Index Exchange
- Adapted Google's Material Design for a web interface using ReactJS and NodeJS