Sandeep Raghunandhan

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Work Experience

Google | Software Engineering Intern
Jan 2018 to Mar 2018

Worked With: Tensorflow, Java, Python, C++, a cross platform framework, Dependency Injection, Android development, Protocol Buffers

- Researched and developed a Tensorflow Python script for training and evaluating machine learning classification models in the context of Hangouts Chat
- Derived signals and features for performing intelligent application sync in background
- Wrote custom graph operations in C++ for Tensorflow Lite to support additional use cases in Hangouts Chat
- Worked on integrating Tensorflow Lite with Hangouts Chat to perform on-device Machine Learning inference to improve app performance

Yahoo! | Software Engineering Intern
Jun 2017 to Sep 2017

Worked with: Apache Traffic Server, Node.js, Express, Lua, C++, Jenkins, Protractor, Mocha

- Designed and implemented a caching server for Accelerated Mobile Page traffic to Yahoo sites (AMP Cache)
- Wrote Node.js scripts to ensure AMP compliance before caching
- Added unit and functional test coverage for routing and caching plugins written for the Yahoo AMP Cache

Shutterfly | QA Engineering Intern
Jun 2016 to Sep 2016

Worked with: TestNG, Selenium, Grafana, ElasticSearch, Browser Mob Proxy, Charles Proxy

- Built functional test suites for the Photos and Media Services API
- Created a Grafana monitoring dashboard to track Photo's API real-time photo upload speeds in comparison to Google Photos

Zenbanx | Software Engineering Intern
Jun 2015 to Aug 2016

Worked with: MongoDB, Node.js, HTML/CSS, AngularJS
- Built a reactive web application for querying banking transactions uploaded to a MongoDB collection

Education

Bachelor of Science in Computer Engineering
UC San Diego | Graduating June 2019 | GPA: 3.5

Coursework: Operating Systems, Advanced Data Structures, Software Engineering, Algorithms, Object Oriented Programming in Java, Computer Organization and System Programming, Computability Theory

Coursera Certifications

Neural Networks and Deep Learning by deeplearning.ai

Machine Learning by Stanford University

Skills

Java, Python, Swift, C++, JavaScript, React, Node.js, Bash, Tensorflow, Android Development, Google Firebase, AWS

Projects (on GitHub)

Resume Manager

Uses: Express, JQuery, Android

An application where recruiters for a company can choose to swipe left (reject) or right (accept) on a candidate resume. The candidate is notified with either an interview scheduling email or a rejection email based on swipes. This was a group project built at the 2017 LinkedIn Intern Hackathon.

Events iOS and EventLit on Android

Uses: Firebase, iOS (Swift 3), Android, Google Maps API

For two different group projects, my team built an application to track, RSVP, create, and edit events for student organizations at UCSD.

Note Review

Uses: HTML/CSS/JavaScript, React, AWS

A web application for real-estate investors to keep track of loan notes they've invested in. Built as a summer project to explore the various features of AWS.

Headlines

A macOS Touchbar application that displays the current headlines on the New York Times. Clicking on these icons navigates the user to the news articles.