SANDEEP RAGHUNANDHAN

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EDUCATION

Bachelor's Degree in Computer Engineering
UC San Diego | Junior Standing| Graduating 2019

CSE100: Advanced Data Structures
CSE110: Software Engineering
CSE105: Introduction to the Theory of Computability

TECHNICAL SKILLS

Core Development: Java, C++, iOS
Frontend Web: HTML/CSS/JS, JQuery, React.js
Backend Web: Node.js, Express, Firebase, MongoDB, SQL
Hosting: Amazon Web Services: S3, EC2, Route53
Scripting: Python, Bash

WORK EXPERIENCE

Incoming Software Engineering Intern at Yahoo Inc. Summer 2017

QA Engineering Intern at Shutterfly Inc. | Summer 2016
Worked with: TestNg, Selenium, Java Maven, Grafana, Elastic Search, BrowserMob Proxy, Postman, Jenkins

- Wrote automation tests using TestNg to verify the behavior of the Photos and MediaServices APIs
- Tested Android and iOS mobile apps from a UX perspective
- Developed a Maven application that would measure and plot upload response times of Shutterfly and Google Photos in real time on a Grafana dashboard backed by Elastic Search

Software Engineering Intern at Zenbanx Ltd. | Summer 2015
Worked with: HTML/CSS, JQuery, AngularJS, Node.js, Bash, Meteor, SQL

- Created a web dashboard application on Meteor to monitor and query for anonymized banking transactions on a MongoDB collection
- Purpose of the project was to explore the prospects of migrating the company's software stack to a NoSQL solution
- Used Amazon Redshift to warehouse old transactions

ORGANIZATIONS

Technical Chair of SangamSD – A South Asian student organization that spreads culture across the greater San Diego community. I work on managing the website and setting up sound and lighting logistics at events.

Student of CodePath iOS University - Currently learning iOS programming from the same company that trains engineers on-site at many Silicon Valley companies. We create a new iOS applications every week, work on paired programming labs, and develop a product as a group.

IEEE MicroMouse Team (2017) - Working with a group of 5 students, our team is creating and programming an autonomous maze-solving racing robot to compete in CAMM (California MicroMouse Competitions). Learned PCB design and programming for embedded systems.

PROJECTS

Note Review (Prototype available on: www.notereview.org.**)**
Uses: Google Firebase, AWS, Python, React.js, JQuery, HTML/CSS

A web application to collect and analyze loan note pools. User upload spreadsheets with various investment properties, the app generates an interactive listing including a Google Street View image of the property, information given in the spreadsheet itself, and current prices of the property from Zillow.

IEEE Fall Quarterly Project: Raspberry Pi Webserver
Uses: MongoDB, Node.js, JQuery, Bootstrap, HTML/CSS

A Morse Code translator web application allowing two users to send telegraphic messages to one another. One user enters text on a web interface, while another physically enters one with a Morse straight key attached to the Raspberry Pi itself. Translations are securely sent to a MongoDB Collection by making a call to a separate Node.js service running on the server. Built with a team of 4 students and won 2nd place in the Fall IEEE quarterly project competition.

Yelp Client
Uses: Swift, Google Maps API

An app built as a project in CodePath that aims to mirror the functionality of Yelp through using the its API. Users can search for businesses near them and the app returns a listing of these businesses. The app also allows users the user to see where the business is located by displaying a Google Maps marker for it.