

Software Skills

Java (5 years), C++ (2 Years), Arduino (2 Years),
Autodesk Eagle (2 Years)
Android Development (2 Years),
Elasticsearch (3 months),
Cassandra (3 months), JavaScript (3 months)

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Education

University of California, Los Angeles
B.S. Computer Science and Engineering
2019

3.76/4.00 GPA

Coursework: Introduction and
Advanced C++, Data Structures,
Software Construction (Bash, Shell,
Python)

Activities: UPE, IEEE, ACM, Racing at
UCLA

Awards

ViaSat @ SD Hacks 2016
SD Hacks - 1st Place in ViaSat
Category: Best Communication Hack Oct/2016

- Created C.A.R.M. (Communicate Among Random Masses), a Chrome extension that allows users to message others on the same website

UCLA Dean of Engineering
Dean's Honor List Summer/2016

- Placed on the Dean's Honor List for receiving a GPA of 3.7 or higher for the Fall 2015 and Winter 2016 quarters at UCLA

AT&T Developer Program
AT&T Hackathon - 1st Place in Teen Category Oct/2012

- Created a JQuery app that generates interest in education by displaying a student's grades and connecting them to tutors

Employment

Reltio

Software Engineering Intern

Jun/2016 to Aug/2016

Worked on the company's Master Data Management (MDM) product to tailor it to individual customers' needs:

- Developed and modified features in the API (Java, Cassandra, Elasticsearch), UI (Qooxdoo JS), and metadata configurations (JSON)
- Found and fixed several major bugs within the product's code base before the next version of the API and UI went live
- Used Git extensively to manage the workflow and simultaneously work on the code with developers from around the world
- Gained a critical understanding of both SaaS and PaaS models of service and how either can be beneficial to a company's future

SmartMonitor and IntelliVision

Software and Product Development Intern

Jun/2014 to Aug/2014

Concurrently interned at two companies, splitting my time accordingly to the tasks given:

- Tested SmartMonitor's product, a smart watch for epileptics, and assisted in designing and pitching a new product to other companies
- Designed a prototype device and created a business plan analyzing its potential target market and financial prospects
- Created a website for one of the IntelliVision's products and researched various business opportunities for future expansion
- Tested Intellivision software for accuracy to optimize the customer's experience

Personal Projects

Micromouse 2016

Sep/2016 to Current

- Designed an autonomous maze solving robot that uses a modified flood fill algorithm to find the center of the maze
- Programmed the STM32F411 microcontroller using MBED, and created the PCB and project schematic using Autodesk Eagle and

C.A.R.M. - <https://github.com/getCarm/CARM>

Oct/2016 to Current

- Created a Google Chrome extension at SD Hacks 2016 that allows users to go a website of their choice and instantly message with other users on that same website
- Released the extension onto the Chrome Web Store

REM.my - <https://github.com/sahilmgandhi/REM.my>

May/2016 to Dec/2016

- Created an Android Mobile Application that asks the user for the latest time that they wish to wake up, and appropriately creates an alarm that maximizes their REM (rapid eye motion) sleep
- REM.my helps students or anyone with dynamic sleep schedules to wake up every day refreshed and energized

Activities

IEEE at UCLA - Electrical Engineering Organization

May/2016 to Current

Open Project Space Co-Lead

- Currently teaching more than 100 students about various electrical engineering topics and designed several projects for them to work on

Super-mileage Vehicle at UCLA - Racing Organization

Sep/2015 to Current

Electric Vehicle Hardware Team Member

- Learned about and designed the systems and components that make up an electric vehicle to compete it in Shell Eco Marathon Competition