

Software Skills

Java, C/C++,
Android Development, Arduino,
Autodesk Eagle, Python, Verilog,
Ansible, Bash, OpenTSDB, Flume,
JavaScript,
Scrum Development Process,
Cassandra, Elasticsearch

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Education

University of California, Los Angeles - B.S. Computer Science and Engineering 2019
3.83/4.00 GPA

Coursework: Data Structures, Algorithms, Software Construction, Operating Systems, Databases, A.I.
Activities: HKN, IEEE, TBP, UPE, Racing at UCLA

Awards

SD Hacks 2017 - 1st Place in Genome Link Category Oct/2016

- Created GenoConnect, an Android app that allows users with similar genomes to connect

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

- Created C.A.R.M., a Chrome extension that allows users to message others on the same website

Dean's Honor List Spring/2017

- Placed on the Dean's Honor List for receiving a GPA of 3.7 or higher

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

- Created a jQuery app that generates interest in education by connecting them to tutors

Employment

UCLA Scalable Analytics Institute - Undergraduate Researcher

Jan/2018 to Current

Researching under Dr. Carlo Zaniolo and PhD student Ariyam Das on real time data-stream databases and graph visualizations:

- Using Node JS, Express and native JavaScript to create UI for streaming utility
- Built an n-ary And-Or tree parser using Java for use in the querying system

Facebook - Test Automation Engineering Intern

Jun/2018 to Sep/2018

Upcoming summer internship at Facebook in the Infrastructure Foundations group

ViaSat - Software Engineering Intern

Jun/2017 to Sep/2017

Created the infrastructure to transport data off the routers, process it, and then visualize it for business analytics:

- Used Docker containers and Apache Flume to create a flow of data off routers into our hands
- Automated the infrastructure deployment and AWS/VMware VM provisioning process with Ansible
- Processed Spark streams using Scala and stored the processed data into OpenTSDB
- Graphed data using Grafana to let business leaders make critical decisions of the Arclight network

Reltio - Software Engineering Intern

Jun/2016 to Aug/2016

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

- Developed and modified features in the API (Java, Cassandra, Elasticsearch) and the UI (Qooxdoo JS)
- Found and fixed major bugs within the product's code base before it was deployed
- Gained a critical understanding of the SaaS model of service and used Git extensively to collaborate with developers around the world

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
- Created a website for one of the IntelliVision's products and tested proprietary software for accuracy to optimize the customer's experience

Personal Projects

Bruin Dining Backend

May/2017 to Oct/2017

- Published an API endpoint to grab various information about UCLA dining items

Micromouse 2016

Sep/2016 to Jun/2017

- Designed the PCB and programmed the MCU for an autonomous maze solving robot

C.A.R.M.

Oct/2016 to Jun/2017

- Published a Chrome extension for users to message others on the same website

REM.my

May/2016 to Dec/2016

- Published an Android application for those with dynamic sleep schedules

Activities

TBP at UCLA - Engineering Honors Society - Club Liaison '17 - Current | Member '17 - Current

Dec/2017 to Current

HKN at UCLA - ECE Honors Society - Membership Chair '17 - '18 | Member '17 - Current

Apr/2017 to Current

IEEE at UCLA - Electrical Engineering Society -

Sep/2015 to Current

Workshops Manager '17- '18 | OPS Co-Lead '16-'17 | Member '15 - Current

Super-Mileage Vehicle at UCLA - Racing Organization -

Sep/2015 to Jun/2017

Electric Vehicle Hardware Team Member '15 - '17'