

Software Skills

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

Contact

✉ sahilmgandhi@gmail.com
🌐 www.sahilmgandhi.com
☎ 408-806-4768
in sahilmgandhi
📄 sahilmgandhi

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 (IP), A.I. (IP)
Activities: HKN, IEEE, Racing
at UCLA, UPE, TBP

Awards

ViaSat @ SD Hacks 2016
SD Hacks - 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

UCLA Dean of Engineering
Dean's Honor List Spring/2017

- Placed on the Dean's Honor List for receiving a GPA of 3.7 or higher for my first and second years 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

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 PaaS 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 for developers who want information such as ingredients and dietary restrictions of all UCLA dining hall 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 Google Chrome extension that allows users to go on a website and instantly message others on the same website

REM.my

May/2016 to Dec/2016

- Published an Android application that helps those with dynamic sleep schedules wake up every day refreshed

Activities

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

Apr/2017 to Current

- Facilitated the induction of and creation of membership requirements for new inductees

IEEE at UCLA - Electrical Engineering Organization -

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

Sep/2015 to
Current

- Designed and taught EE projects and workshops to more than 100 new students

Super-mileage Vehicle at UCLA - Racing Organization -

Electric Vehicle Hardware Team Member '15 - Current

Sep/2015 to
Current

- Designed the systems and components that make up a nationally competing electric vehicle