SAHIL GANDHI

SOFTWARE DEVELOPER

Software Skills

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

Contact

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Education

University of California, Los Angeles - B.S. Computer Science and Engineering 2019
3.83/4.00 GPA
Coursework: Data Strutures, Algorithms, Software Construction, Operating Systems, Databases, A.I.
Activities: HKN, IEEE, Racing at UCLA, TBP, UPE

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

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 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 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

HKN at UCLA - ECE Honors Society – Membership Chair '17 - Current | Member '17 - Current   Apr/2017 to Current
- Facilitated the membership requirements for and induction of 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 engine and braking systems for a nationally competing electric vehicle