

SOHAN SUBHASH

(858) 776-1577 • sohan@berkeley.edu • subhash.co • linkedin.com/in/sohansubhash • github.com/sohansubhash

EXPERIENCE

Intel (Wind River)

Alameda, CA

Software Engineering Intern

June 2018 – August 2018

- Contributed to the open source SPARTS project, a tool to track software components used in a software supply chain, by creating new transaction families with the *Sawtooth Ledger SDK* to extend the SPARTS RESTful API
- Streamlined the SPARTS project development pipeline by building various *Docker* containers and a documentation website to expedite internal development and ease future scaling
- Improved accessibility of SPARTS by writing uncomplicated user and developer guides to increase adoption

Environment: *Python, Flask, Docker, AWS, Ubuntu Server, Hyperledger Sawtooth Ledger SDK*

802 Secure

Berkeley, CA

Software Engineering Intern

June 2017 – August 2017

- Designed and implemented a Wi-Fi interrogator for embedded *Linux* sensors to detect malicious access points and extract 802.1x certificate data with *PyShark*
- Scripted with *Scapy* the reporting of BroadPWN (CVE-2017-9417) access points to protect vulnerable devices
- Developed tools to monitor suspicious devices (i.e. auto detection of impostor SSIDs) at DEFCON 2017

Environment: *Python, Bash Script, Ubuntu core (embedded Linux), Wireshark/PyShark, Scapy*

Knight Cognitive Neuroscience Lab

Berkeley, CA

Database Consultant

March 2017 – April 2017

- Reconfigured the lab's *PostgreSQL* database and *Solr* search platform and website for the migration to *RHEL6*

Environment: *Red Hat Enterprise Linux 6, Django, Bash Script, Apache Solr, PostgreSQL*

Make Change Count for Schools

San Diego, CA

Founder

August 2013 – May 2017

- Established a nonprofit organization that reworked donation infrastructure for local schools
- Coordinated between the school and district administration to install repurposed smart parking meters, which allow community members to donate using credit cards and mobile devices
- Trained and led a team of 7 to continue the addition of new donation meters to over 8 new schools

EDUCATION

University of California, Berkeley

Berkeley, CA

B.A. Data Science

Fall 2020

Data Structures • Computer Architecture • Discrete Math • Linear Algebra • Computer Security • Artificial Intelligence

PROJECTS

Voyager new tab: Firefox/Chrome extension to replace the default new tab page. Uses a custom JavaScript parser to search websites directly, add shortcut keys, complete url paths. Also displays a grid of favorite websites.

Mozilla Design Sprint Winner: Designed a new browser onboarding experience for individuals with disabilities to easily set accessibility features and add-ons. *1 of 5 finalists of the design sprint*

TECHNICAL SKILLS

Proficient: Python, Java, C, SQL, Bash, Docker, Unix/Linux, Flask, AWS, WireShark, Technical Writing

Familiar With: JavaScript, Swift, Ruby, RISC V, Google Cloud Platform, R, Pandas