

# SOHAN SUBHASH

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## EXPERIENCE

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| <b>802 Secure</b>   | <b>Berkeley, CA</b>            |
| <i>Software Engineering Intern</i>  | <i>June 2017 – August 2017</i> |
| <ul style="list-style-type: none"><li>Developed a Wi-Fi interrogator system to flag and extract 802.1x certificate data, enabling the 802 Secure's clients to identify malicious individuals at the DEFCON Hacker Conference</li><li>Repackaged and wrote QA tests for the AirShield sensor's codebase to enable quicker deployment</li></ul>   |                                |
| <b>Knight Cognitive Neuroscience Lab</b>  | <b>Berkeley, CA</b>            |
| <i>Database Consultant</i>  | <i>March 2017 – April 2017</i> |
| <ul style="list-style-type: none"><li>Reconfigured the lab's complex PostgreSQL database and Solr search platform to expedite the migration to Red Hat Enterprise Linux 6, ensuring future stability and compatibility</li><li>Collaborated with the Berkeley Unix team to migrate the lab's Django website to a newer host.</li></ul>  |                                |
| <b>Make Change Count for Schools</b>  | <b>San Diego, CA</b>           |
| <i>Founder</i>  | <i>August 2013 – Present</i>   |
| <ul style="list-style-type: none"><li>Established a nonprofit organization that reworked donation infrastructure for local schools</li><li>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</li><li>Trained and led a team of 7 to continue the addition of new donation meters to over 8 new schools</li></ul> |                                |
| <b>Gap Intelligence</b>   | <b>San Diego, CA</b>           |
| <i>Software Developer Intern</i>  | <i>July 2015 – August 2015</i> |
| <ul style="list-style-type: none"><li>Developed the analytics database web app using in Ruby on Rails and PostgreSQL</li><li>Collaborated with the web design team to restructure the UI using Bootstrap and BEM CSS</li></ul>  |                                |

## EDUCATION

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| <b>University of California, Berkeley</b> | <b>Berkeley, CA</b> |
| <i>B.A. Candidate: Computer Science</i>   | <i>May 2020</i>     |
| Major GPA: 3.3/4.0                        |                     |

## PROJECTS AND ACTIVITIES

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| <b>Browser Startpage</b>   | <b>Berkeley, CA</b> |
| <i>Web Project</i>   | <i>August 2017</i>  |
| <ul style="list-style-type: none"><li>Designed a responsive web app in pure HTML/CSS with powerful command and search functionality</li><li>Built a JavaScript parser from scratch to recognize autocomplete, commands, URLs, and searches</li></ul> |                     |
| <b>Twitter Sentiment Analysis Bot</b>  | <b>Berkeley, CA</b> |
| <i>Side Project for Cal Hacks</i>  | <i>Nov 2016</i>     |
| <ul style="list-style-type: none"><li>Used the Tweepy API to scrape and dump raw tweet text and meta information into a MongoDB</li><li>Generated sentiment scores with NLTK and graphed a user's sentiment over time with Matplotlib.</li></ul>     |                     |

## LANGUAGES AND TECHNOLOGIES

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|-------------------------|---|
| <b>Web Frameworks:</b>  | Ruby on Rails, Flask, Django                            |
| <b>Languages/Tools:</b> | Python, Bash, Ruby, Java, Git, SQL, HTML/CSS/JavaScript |