Brian Greenberg

SOFTWARE ENGINEER

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"Who Dares, Wins."

Work Experience

San Diego Super Computer Center   *San Diego, CA*

APPLICATION PROGRAMMER   *July. 2018 - Nov. 2018*

- Created a **Python Flask** based web application for a fleet of internet monitoring tools that greatly simplifies keeping track of issues and getting information on them.
- Converted the barebones codebase from a previous Django attempt to **Flask** while adding login, comments, search, editing of info, and problem reporting functionality
- Learned and used **SQLAlchemy** for the login system and **SQLite** for monitoring tool info.

University of California, San Diego   *San Diego, CA*

APPLICATION PROGRAMMER   *June. 2017 - June. 2018*

- Worked on research with a Professor to create a **Python** based network firewall application that using commodity network switch, is able to have the performance of a dedicated firewall appliance.
- Used an **OpenFlow** based framework called **Ryu** to talk to the switch and implment rules for when to accept traffic.
- Made the configuration files for traffic rules easy to understand from someone who has used **Linux** based iptables rules.

Education

B.S. in Computer Science   *San Diego, CA*

UNIVERSITY OF CALIFORNIA, SAN DIEGO   *2014 - 2017*

- **Relevant Coursework—** Software Engineering,Compilers,Operating Systems,Networking,Algorithms,Data structures,Programming Language Theory