Jeremy Wan

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EDUCATION

2013 – 2017 **University of California, Berkeley**

B.S. Electrical Engineering and Computer Science (EECS) | GPA: 3.2

- Regents' and Chancellor's Scholarship candidate (top 2% of all UC Berkeley applicants)

SKILLS

Languages **Java > Python > C/C++ > SQL > MatLab > Unix Scripting > PHP > Ruby**

Security
- Nessus, Snort, Incident Response, Malware Removal, Security Education, Network Protocols

Environments
- UNIX, Windows, Vim, VMware, VirtualBox

EXPERIENCE AND INVOLVEMENT

May 2015 – present **UC Berkeley Student Affairs Information Technologies - Residential Computing**

Information Security Consultant

- Spearhead development for internal security tools using Python and Unix Scripting
- Manage intrusion detection and incident response for 8000+ clients living on campus
- Train and educate 30+ Residential Computing Consultants in malware removal techniques
- Investigate and resolve network security incidents to protect sensitive data and 10,000+ hosts

May 2014 – May 2015 **UC Berkeley Student Affairs Information Technologies - Residential Computing**

Residential Computing Consultant

- Troubleshooted security and network issues for 8000+ residents on Windows and Mac machines
- Communicated technical solutions to a diverse clientele at in-person appointments and online

Aug 2015 – Present **UC Berkeley Department of Psychology**

Python Developer

- Build simulation and data collection tools by utilizing the psychopy and numpy python packages
- Research ways to use machine learning and eye-tracking to revolutionize online education

Aug 2015 – Present **Berkeley Emergent Space Technologies**

Tensegrity Robotics Researcher

- Simulate tensegrity space exploration robots with NASA's NTRT toolkit (C++ & Python)
- Run analysis to help determine optimal robot designs to promote mobility and energy conservation

SELECTED PROJECTS

March 2015 **Gitlet — Java**

- Built a functional Github version control system in Java that could perform all primary commands including add, commit, merge, and rebase

April 2015 **Tries — Java**

- Implemented an efficient autocompletion algorithm that provides suggested search terms based on letters and prefixes by utilizing tries and ternary search tree data structures

August 2014 **Sellegit Database Backend — SQL**

- Created a relational database for a startup using MS Access and SQL to collect and clean data points for analytics with queries, histograms, and regression models

ACADEMIC COURSEWORK

CS 61A: Programming Structures
CS 61B: Data Structures
CS 61C: Machine Structures
CS 70: Discrete Math & Probability
CS 170: Efficient Algorithms
IEOR 115: Commercial Databases