Kevin Liang

Graduation: Jan 2020 · Software Engineer · Boston, MA
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Education

Boston University (Sept. 2016 - Jan. 2020)

- B.A. in Computer Science
- GPA: 3.50

Relevant Coursework

- Cyber Security
- Cloud Computing

Web Development Bootcamp (2017)

Instructor Colt Steele on Udemy

Programmed simple web applications such as a RGB Color game (Vanilla JS) and a Patatap clone (Paper.js and Howler.js)

- **Proficient:** Python, Java, Vim, Linux (Ubuntu), Tmux, HTML, CSS, JavaScript, Bash Scripting
- **Interests:** Digital and Traditional Drawing
- **Familiar:** Git, Docker, JSON, MS SQL, SQLite, OpenShift, Wireshark, Bootstrap, SemanticUI, jQuery, React Native, ExpressJS, MongoDB, Flask, C#, ASP.NET Core, Selenium, Specflow, Gherkin, E2E Testing, LaTeX

Experience

Optum Technology - 2019

Software Engineer Intern

- Developed a portal for customer service reps in ASP.NET Core C# Framework
- Worked with unfamiliar technologies such as C# and Selenium
- Collaborated in a Scrum team of six
- Interfaced with stakeholders in a feedback loop to increase efficacy of product
- Optimized Microsoft SQL queries to fetch member information
- End-to-end testing with Selenium and Specflow

Boston University - 2018

Cyber Security Teaching Assistant

- Held office hours to advise students on homework, which include topics such as SQL injections, command injections, privilege escalation and buffer overflow attacks
- Graded exams

Boston University Engineering Annex - 2017-2018

Terminal Assistant

- Registered computer science accounts for students
- Reported on or applied systematic fixes during computer breakdowns

Projects

Cloud Computing at Boston University - 2017-2018

Auditing for Hardware as a Service Cloud

- Developed auditing service for Hardware Isolation Layer (HIL) to help system administrators troubleshoot when switch state changes without updating the HIL database
- Designed with Docopt a command line interface to call the REST API
- Automated with Python the construction and deconstruction of an OpenVSwitch environment simulating the changes in switch states in order to test auditing service

Cyber Security at Boston University - 2017-2018

Smart Bulb Leaks

- Scripted Python program to send messages in morse code through a TPLink lightbulb
- Analyzed Wireshark packets to find the local key used to encrypt and decrypt TCP packets

HackBeanpot - 2017

Happy Tweet

- Called Indico.io's sentiment analysis API on recent tweets of input Twitter handle
- Applied ChartJS radar chart to display emotional disparities of tweets