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
- Software Engineering
- Cyber Security
- Cloud Computing

Web Development Bootcamp (2017)
Instructor Colt Steele on Udemy

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Programmed simple web applications such
as a RGB Color game (Vanilla JS) and a
Patatap clone (Paper.js and Howler.js)
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❯ **Proficient:** Python, Java, Vim, Linux (Ubuntu), Tmux, HTML, CSS, JavaScript, Bash Scripting

❯ **Interests:** Digital and Traditional Drawing

❯ **Familiar:** Git, Docker, JSON, MS SQL, SQLite, Wireshark, Bootstrap, SemanticUI, jQuery, React, 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

Software Engineering at Boston University - 2019
Trip Recommendation App

- ❯ Developed app using the MERN stack (Mongo, Express, React, and Node)
- ❯ Led weekly meetings to boost team involvement
- ❯ Stored input food, location and timeframe preferences and called Yelp API with stored values

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 admins troubleshoot when switch state changes without updating the HIL database
- ❯ Designed with Docopt a CLI to call the REST API
- ❯ Automated with Python the construction and deconstruction of an OpenVSwitch env simulating the changes in switch states 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