

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

- » **Proficient:** Python, Java, Vim, Linux (Ubuntu), Tmux, HTML, CSS, JavaScript, Bash Scripting
- » **Interests:** Digital and Traditional Drawing

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)

- » **Familiar:** Git, Docker, JSON, MS SQL, SQLite, Wireshark, Bootstrap, SemanticUI, jQuery, React, ExpressJS, MongoDB, Flask, C#, ASP.NET Core, Selenium, Specflow, Gherkin, E2E Testing, L^AT_EX

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 - 2018 Intro to Databases and Data Mining Tutor

- » Clarified concepts such as Python string manipulation, SQL syntax, and data mining terminology
- » Reviewed practice problems and past exams to better understanding of material

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