Kevin Luk

Charlottesville, VA | (571) 393-7220 | khl7wh@virginia.edu | https://github.com/kev-luk

EDUCATION

University of Virginia | Charlottesville, Virginia | May 2022
School of Engineering and Applied Science

- *Major*: B.S. Computer Science
- *Overall GPA*: 3.603
- *Relevant Courses*: Data Structures and Algorithms, Computer Organization and Architecture, Software Development Essentials, Discrete Mathematics, Linear Algebra, Theory of Computation, Mobile Application Development

EXPERIENCE

Computer Science Department, University of Virginia ***August 2020 - Present***
Teaching Assistant (CS 1112) *Charlottesville, Virginia*

- Helping conduct lectures through answering student's questions about the fundamentals of programming.
- Ensuring the success of 150+ students through explaining programming assignments and the core concepts that are being implemented in them.

School of Engineering and Applied Science, University of Virginia ***June 2020 – August 2020***
Circle Project Student Instructor *Charlottesville, Virginia*

- Coordinated the "Build Your Own Website" course to teach students the basic principles of designing and deploying functional websites.
- Conducted daily virtual lectures and live-coding demonstrations to teach HTML, CSS, and Git.
- Created a course website to advertise the course to local communities.

PROJECTS

Natural Event Tracker

- Web application that fetches natural event data from NASA's EONET API and displays the event locations on an interactive map.
- Technologies used: React.js, Google Maps JavaScript API, and Fetch API.

Health Diary

- Web application that allows users to create an account in order to manage their personal health through documenting their diet, activity levels, and written journals.
- Implemented user authentication system.
- Technologies used: HTML, CSS, JavaScript, Node.js, Express.js, and MongoDB.

COVID-19 Twitter Bot

- Automated Twitter account that tweets and creates graphs about current COVID-19 data for user specified cities, states, and countries.
- Technologies used: Python, Pandas, NumPy, Matplotlib, and Beautiful Soup.

SKILLS

- Efficient with Java, Python, JavaScript, HTML, CSS.
- Experience with Git version control.
- Basic experience with React.js and R.
- Knowledge of data analytic libraries: Pandas, NumPy, Matplotlib.
- Databases: MySQL, MongoDB.