

Alex Kim

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EDUCATION

University of Virginia, Charlottesville, VA

Expected Graduation May 2024

B.S. Computer Science with Engineering Business Minor

Cumulative GPA: 3.6/4.0

Relevant Coursework: Intro Data Science with Python, Software Development Methods, Mathematics of Information, Linear Algebra, Program & Data Representation, Digital Logic Design, Theory of Computation, Advanced Software Development, Algorithms

Riverside High School, Leesburg, VA

Graduated June 2020

UW GPA: 4.0/4.0 | W GPA: 4.55 | Top 25 of Graduating Class

RELEVANT EXPERIENCE

UVA Development Hub

Charlottesville, VA

Software Development Intern

Aug 2021-Present

- Tasked to collaborate with a software development team and work alongside a project manager to develop helpful software applications for specific partnered clients and the university community
- Served as a UX designer to build agile managed web applications structured through weekly sprints and continuous communication with the project manager (Scrum Master)

Forge

Charlottesville, VA

Node Student

Sep 2020-Nov 2020

- Ten-week data science course which taught core data literacy skills and their appliance into specific domains of interest through Python programming
- Expanded knowledge of the possibilities of data science by developing data cleaning, machine learning, and web scraping skills through extensive problem solving and labs
- Skills: Google Colaboratory, data manipulation, exploratory data analysis, machine learning, neural networks, data visualization, critical thinking, web scraping

Mindframe Education

Ashburn, VA

STEM Intern

June 2019-July 2019

- Three-week internship teaching/managing classes of various STEM related fields including basic engineering, Python programming, and basic robotics
- Simplified Python programming and basic engineering course concepts for students by creating and implementing unique curriculums, leading to an increased understanding and level of participation from students
- Skills: Python, hardware engineering, public speaking, communication, leadership, time management

PROJECT EXPERIENCE

- Served as a UX designer within a software development team to create a web application that provides information to users about UVA's buildings. Managed/designed homepage user interface through HTML/JS/Bootstrap, 2021-2022
- Individually/independently developed a professional website to serve as an online portfolio through HTML, CSS, Bootstrap, and JavaScript front-end development. Learned the foundations of website design and software development, 2021
- Individually/independently developed a GitHub repository containing a python program that analyzes a movie metadata set to visualize films and their respective IMDB scores for a particular director inputted by the user, 2021

ACTIVITIES AND LEADERSHIP

Theta Tau Engineering Fraternity

Charlottesville, VA

Treasurer

Jan 2022-Present

- Prepared and managed fraternity finances for brotherhood events and the executive board of officers
- Responsible for semester budgets, due collection from fraternity members, and communication with Theta Tau nationals

Riverside Class of 2020

Leesburg, VA

Class Treasurer and Class Officer

August 2016-June 2019

- Served as a liaison between school faculty and 450+ students via frequent communication and event planning with a specific focus on the allocation of funds
- Accomplishments: Successfully gathered/managed over \$32,000 through events, fundraising, etc. singlehandedly, attended monthly meetings with head of school, organized/managed an event for over 800+ students, established professional relationships with local businesses

SKILLS AND CLASS PROJECTS

- **Skills:** C++, Python, Java, Bootstrap, HTML, CSS, JavaScript, MATLAB, GitHub, Office 365, Django, Front-end, Back-end
- **Projects:** Huffman Coding Implementation (via various data structures), Graph Sorting/Traversal Algorithm Implementation, Bash Shell Script Programming, 8 Puzzle Problem Solver (practicing data structures and code optimization), etc.