

EDUCATION

University of Virginia, School of Engineering and Applied Science

Charlottesville, VA

B.S. Computer Science, Minor in Data Science

May 2025

GPA: 3.65

Relevant Coursework: Machine Learning, Advanced Software Development, Data Structures and Algorithms, Computer Systems and Organization, Data Science Systems, Statistics, Probability, Discrete Math and Theory, Artificial Intelligence, Programming Languages

RELEVANT PROJECTS

Official Club Website

Fall 2023 - Present

- Migrated original static website to React.js using Vite and React Router using CSS modules, recreating nearly all of it by building more consistently styled and responsive components. Wrote clear documentation to aid future students in learning web development.
- Moved to a Client-Server Architecture introducing the website's first backend, which was designed as a RESTful API in PHP. Built into the API a request-response cycle, a routing mechanism that allows for routers and the functions called at specific endpoints to be added efficiently, and a middleware stack system allowing an authentication middleware which uses JWT to protect restricted endpoints. Deployed it to a subdomain to handle data retrieval and manipulation of our MySQL database. Built the merchandise page that uses the endpoints to get and manipulate the data by authorized users from the frontend.
- Configured and deployed the website through the organization's shared hosting provider which used cPanel, writing specific rules that ensured protected files could not be accessed as well as directed paths to either the website or the API.

College Apartment Listing Website

Fall 2023

- Collaborated with a team of 5 to design and build a website, employing scrum methodology for a course's final project. Built using Django, Bootstrap5, jQuery, Google Maps API, and deployed on Heroku with Git as the version control.
- Adopted agile approach by meeting once a week to discuss progress in each sprint, current schedule, and assigned/reassigned tasks all organized using Jira.
- Implemented CI/CD pipeline integrating JUnit and Selenium for automated testing.
- Built the apartment listing Model, View, and Template; Served as the team's UI/UX designer developing original mockup and wireframes as well as conducted interviews with beta testers to improve overall experience.

Simple Command Line Course Reviewer

Fall 2

- Created a Java-based command-line application leveraging SQLite for managing course data, featuring an intuitive interface for viewing, adding, updating, and deleting courses and/or reviews.

ETL Pipeline and Analysis of Super Bowl Data

Fall 2023 - Spring 2024

- Designed and implemented an ETL pipeline in a Jupyter Notebook to process and analyze Super Bowl data from a variety of data sources of different forms including a SQL database, csv, and public API data. Compiled into an organized data warehouse with a fact table and several dimension tables to make analysis easier. Queried results and examined correlations/trends using graphs.

WORK EXPERIENCE

Aftercare Assistant, Charlottesville Catholic School, Charlottesville, VA

Dec 2022 - May 2023

- Developed and implemented healthy and safety protocols that ensured the safety of the children in my care.

LEADERSHIP, HONORS, AND EXTRACURRICULAR ACTIVITIES

Organization of Young Filipino Americans at UVA, Webmaster

March 2023 - Present

- Elected to maintain the organization's official website utilizing Google Workspace and Apps Script to create tools for my peers that assisted in sending mass emails, tracking orders, and organizing information.
- Hosted event *Filipino Food Night* serving cultural dishes to UVA and the greater Charlottesville community raising more than a thousand dollars towards the organization's annual scholarship.

Giving Voice to Values Training, UVA

Jan 2023 – May 2023

- Ethics training focused on an action-oriented approach to values-driven leadership.

First Place in the 2019 Longwood Cyber Security Summit Capture-The-Flag Contest

October 2019

SKILLS

Languages: Java, Python, R, C/C++, HTML, CSS, JavaScript, PHP, SQL (MySQL, SQLite, NoSQL), OCaml

Libraries and Frameworks: pandas, scikit-learn, TensorFlow, Keras, React.js, Bootstrap5, Django, Axios

Technology: Git, Jupyter, Visual Studio Code, MS Excel, Google Colab, Google Apps Script, cPanel, Postman