CONNOR GOODALL

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https://connor-goodall.github.io/

EDUCATION

UNIVERSITY OF VIRGINIA Charlottesville, VA
Bachelor of Science May 2023
Major in Computer Science
Cumulative GPA: 3.59/4.0; Major GPA: 3.72/4.0
Relevant Coursework: Advanced Software Development Techniques; Database Systems; Algorithms; Software Testing; Machine Learning; Cloud Computing

SKILLS

- **Languages & Frameworks**: Python, Django, HTML, CSS, PHP, Java, SQL, C, C++, R
- **Environments & Software:** Git/Github, Bootstrap, MySQL, Selenium, AWS, PostgreSQL, SQLite

PROJECTS

COMICS UNIVERSAL *(Python, Django, HTML, Bootstrap)* Dec 2022 - Jan 2023
Software Developer

- Designed a wiki website that contains all types of information on many different comic book characters that users can edit if they are logged in
- Saved user information and the comic book character's information in a central database on a MySQL server
- Gathered information for each comic book character from the Superhero API on Github
- Automated user interaction with Selenium for functional testing

WATCH PARTY *(Python, Django, HTML, Bootstrap)* Feb 2022 - April 2022
Software Developer/Software Tester

- Worked with a team to create a website that allows people to schedule movie or television show events with other people online with Zoom or in-person at a movie theater
- Utilized a database on a PostgreSQL server to store the user's profiles and to store the movie or television show events
- Showed the directions to the in-person theater with the OpenRouteService API
- Visualized the user's route to the in-person theater with an interactive map from the OpenLayers API
- Assembled a Zoom meeting for the online event at the scheduled time with the Zoom API
- Implemented login authentication with Google's OAuth 2.0

CLUB HUB *(PHP, PDO, HTML, Bootstrap)* Feb 2023 - April 2023
Software Developer

- Worked with a team to create a website that allows UVA students and faculty to join and create clubs on campus, as well as stay up-to-date about the clubs that they are interested in
- Stored club information, student information, and faculty information in a central database on a MySQL server
- Accessed the MySQL database in PHP with the PDO framework

CRIME DETECTOR *(Python)* Sept 2022 - Dec 2022
Machine Learning Engineer

- Worked with a team to build a machine learning algorithm that predicts the likelihood of being a victim of a violent or non-violent crime in a particular area of the city of Charlottesville
- Trained many different regression models and hyper-tuned the parameters for each of these regression models in order to find the best model for our algorithm
- Feature engineered GPS coordinates for each crime given the street address to visualize the actual data and the predicted data
- Feature engineered the violent crime category and the non-violent crime category in order to compute the violent crime rate and the non-violent crime rate