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Github: <https://github.com/evdogg123>

**EDUCATION**

**University of Delaware** **| Newark, DE**

College of Engineering Honors Program Expected Graduation: December 2021

*Bachelor of Science, Computer Science Concentration: Data Science*

*Minor: Mathematics*

Cumulative GPA: 3.85

Dean’s List (Fall 2017 - present)

**Relevant Coursework**

* Data Structures, Linear Algebra, Machine Learning, Database Systems, Software Engineering, Artificial Intelligence, Data Mining

**Programming Languages**

* Python / Java / SQL / R / C / C++ / Git / MATLAB / JavaScript / Linux / Excel

**RELATED EXPERIENCE**

**University of Delaware Computer and Information Sciences Department**Newark, DE

*Undergraduate Teaching Assistant* August 2018 – present

* Debug lab assignments for undergraduate students, which improves my ability to comprehend and debug other people’s programs
* Review and critique student code based on style and efficiency. This helps reinforce my own understanding of writing clean code.
* Improves my ability to handle a large workload by taking this teaching assignment in addition to a full course load.

**RELATED PROJECTS**

**Species Classifying Bird Feeder** May 2020 – present

* Trained machine learning models to detect and classify over 100 different species

with reasonable accuracy

* Developed a companion app that allows users to watch videos of the birds that have visited their bird feeders along with their species classification.
* Built optimized data pipelines between the bird feeder camera, the classifier, and the companion phone app.

**Self-Driving All-Terrain Vehicle** August 2019 – present

* Developing open-source software to control a fully autonomous ATV
* Programming an Arduino, lidar sensor, and various electrical parts
* Developing complex path-finding algorithms using visual data

**Educational Game for the National Estuarine Research Reserve** February 2018 – May2018

* Collaborated on a large codebase with team members using git
* Developed an educational game in Object-Oriented and MVC style
* Met with clients and adapted our product to satisfy client needs
* Used JUnit and Javadoc to test and document code

**INTERESTS, AND ACTIVITIES**

**Activities:** Vice President of the Rock-Climbing Club / **Languages:** Spanish (Partially Proficient)