

AIDAN EGAN

Software Engineering

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AidanEgan

EDUCATION

B.S. Computer Science

Villanova University

- Aug. 2019 – Present
- GPA: 3.93
 - Minor: Engineering and Entrepreneurship
 - Expected Graduation: May, 2022

EXPERIENCE

Undergraduate Researcher

Oakland University REU

- May 2021 – Aug. 2021
- Oakland University
- Assisted a research team by investigating the security of a machine-learning based programming infrastructure.
 - Learned about topics in cybersecurity as well as compiler/language design, common machine learning algorithms, and the use of cloud computing services.

Teaching Assistant

Villanova CS Department

- Aug. 2021 – Ongoing
- Villanova University
- Worked as a teaching assistant for the Analysis of Algorithms course, helping the professor with quizzes and assisting students in the class.
 - Further improved algorithmic thinking skills covered in this course while also developing interpersonal skills through aiding students.

Classroom Support Technician

Villanova Classroom Technologies

- Sept. 2019 – Ongoing
- Villanova University
- Worked to maintain computer equipment within university classrooms and render assistance to professors utilizing classroom technology.
 - Learned both technical skills related to computer hardware as well as fundamental service and communication skills.

LANGUAGES

Python

Java

Javascript

PROJECTS

Python Image Editor

Python

- Created a Python program that edits images based off of English language commands from a user.
- Used the spaCy NLP library to process the user's commands and made use of the Pillow and OpenCV libraries to edit the images.
- Used the Flask library to host the program on a webpage.
- Developed Python skills, gained experience with cutting edge technologies, and developed knowledge of back-end development.

Android Fitness Application

Java, Android Studio

- Worked on an Android application allowing users to input and keep track of workouts while at the gym.
- Designed and created the application using Java and the tools in Android Studio.
- Used SQLite in order to store data locally on a device.
- Worked with teammates using agile development practices.

Link Finding Chrome Extension

Javascript

- Created a Chrome extension that finds all links present on a webpage and presents them to the user.
- Learned JavaScript fundamentals as well as how browser extensions work.

EXTRACURRICULARS

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Villanova University Programming Team

Worked with other students on various coding challenges in order to prepare for programming competitions.

STRENGTHS

Hardworking

Communication

Detail Oriented

Teamwork

Java

Python

Javascript

Web Development

SQL & Databases

Agile

Web Sockets

C

Unix Shell

Flask

API Use