

# AIDAN EGAN

## Software Engineering

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## EDUCATION

### B.S. Computer Science

#### Villanova University

Aug. 2019 – Present

- GPA: 3.92
- 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

### 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.

### File Uploading Website

#### Python

- Created a Python server using the Flask library that communicates with a front-end website.
- Users can upload document/image files and view other files uploaded to the server.
- Improved Python skills, learned Python for back end web development with libraries.
- Learned fundamentals of web servers, used this knowledge for future projects integrating a SQL database into web-pages.

## EXTRACURRICULARS



### 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

Web Sockets

C

Unix Shell

Flask

API Use