

Aiden Seo

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WORK EXPERIENCE

Software QA Engineer Intern WEX INC.

Sept. 2022 – Present

- Utilized Gherkin and Python to create automated test cases for both frontend UI and backend API of virtual payment solutions
- Participated in Scrum and attempted to improve the team's performance
- Wrote documentation on QA progress for DevOps

Research Assistant Alzheimer Disease Research Center

Feb. 2023 – Present

- Utilized decoding algorithms with machine learning technique to measure the speed and position of eyes from the brain activity using python
- Aimed to provide a better understanding in the correlation between the brain activity and the eye movement

Undergraduate Teaching Assistant University of Pittsburgh

Jan. 2023 – Present

- Worked as an undergraduate teaching assistant for Embedded Processors & Interfacing course
- Held office hours and lab checkoffs to help students to understand the curriculum
- In charge of the lab session consists of 100+ undergraduate engineering students

Research Assistant University of Pittsburgh Swanson School of Engineering

May 2022 – Oct. 2022

- Utilized OpenMV, Python, and TensorFlow to create an object detector that can be deployed to low-powered micro-circuit devices with camera attached
- Aimed to run machine learning model under the most extreme conditions with insufficient energy
- Tested wireless charging technique to provide current to the device and continuously run the object detector

EDUCATION

University of Pittsburgh – Pittsburgh, Pennsylvania Bachelors of Science Major: Computer Engineering

Expected May 2024
GPA: 3.4

EXTRA CURRICULAR ACTIVITIES

Sailboat Project Sailboat Club

Sept. 2021 ~ Feb. 2022
University of Pittsburgh

- Designed the automatus system that can sail towards the destination with its current location received from GPS service
- Utilized Python and Arduino to create the system and control the movement of the boat

COVID Simulations in Real World Freshmen Engineering Conference

Jan. 2021 ~ April 2021
University of Pittsburgh

- Researched on how the spread and death rates of COVID in U.S. can be predicted using simulation generated with SEIR model
- As a team leader, monitored teammates' contributions to the research to maximize the productivity within the given time
- Presented the efficiency and accuracy of simulation at the conference

Auto Indy Car Project Robotics and Automation Society (RAS)

Sept. 2020 ~ Dec. 2020
University of Pittsburgh

- Contributed to the creation of autonomous race car by reading signals from sensors attached to the vehicle and deciding the next movement of the wheel accordingly using Python

TECHNICAL SKILLS

- Python
- HTML
- Gherkin
- Typescript
- Java
- CSS
- Docker
- .NET Core
- C
- JavaScript
- MIPS
- C++
- MATLAB
- Linux
- C#
- TensorFlow
- Git