Aiden Seo

Centreville, VA ● 703-901-3760 ● aidenseo1190@gmail.com ● linkedin.com/in/aiden-seo-1s/ ● github.com/Aidenseo3180

EDUCATION

University of Pittsburgh – Pittsburgh, Pennsylvania — Expected May 2024
Bachelors of Science – Computer Engineering

Overall GPA: 3.50 / 4.0
In-major GPA: 3.67 / 4.0

EXPERIENCE

Software Developer Intern   May '23 – Aug. '23
Infor

- Worked on the development of a database inspector tool to provide faster access to the SQL server using Java
- Optimized the methods used to access certain sections of the database, leading to a 24% decrease in processing time
- Created a SQL query, servlet, and UI for a feature that will be newly added to the customer interface

Software Engineer Intern   Sept. '22 – May '23
WEX INC.

- Utilized Gherkin and Python to create automated test cases for both frontend UI and backend API of various services
- Created test cases for the REST API, actively participated in development cycle and daily standups
- Practiced agile technique to reduce technical debt, improve customer satisfaction and deliver a higher quality product

Research Assistant   Feb. '23 – May '23
Alzheimer Disease Research Center

- Used decoding algorithms with machine learning technique to measure the speed and position of eyes from the brain with Python, Jupyter Notebook, and TensorFlow
- Improved the machine learning model to accurately capture brain activity and the eye movement
- Created efficiency table by using different number of nodes giving to decoder, measuring their performances

Research Assistant   May '22 – Oct. '22
University of Pittsburgh Swanson School of Engineering

- Applied OpenMV hardware, 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

PROJECTS

Semiconductor Wafer Coating Simulation | C#
- A simulation that creates wafers using a simplified real-life UV resin coating process
- Composed of a wafer line panel that creates wafers using resources and a factory panel that remotely control the wafer line

Blog Web Application | C#, ASP .NET Core 7.0, Microsoft SQL
- A blog web application with different access levels for users and different permissions for admins and superadmin
- Like a real blog system, the application supports adding posts, editing existing posts, searching specific posts with tags, adding comments, and editing the existing user account by accessing Microsoft SQL database.

SKILLS

- **Language:** C, C++, C#, Python, Java, JavaScript/HTML/CSS, SQL, Bash, MIPS, MATLAB
- **Frameworks and Libraries:** ASP .NET Core 7.0, Bootstrap
- **Tools:** Docker, Git, Linux, Jira, CI/CD, Eclipse, IntelliJ, Visual Studio Code, Visual Studio 2022, VMWare