Rising Junior Computer Science student from the University of Michigan, interested in a software engineering or development intern position. Proficient in multiple programming languages and have multiple internships and large-scale projects. Experienced in writing scalable, high-quality code with good test coverage. Enthusiastic, responsible, motivated to learn new skills, and thrive when working in team environments.

**WORK EXPERIENCE**

**SOFTWARE DEVELOPMENT ENGINEER INTERN**

**ASUS Intelligent Cloud Services, Taipei, Taiwan | 2022/05 – 2022/08**

* Received DevOps training in different Azure services, Azure pipeline, Docker, Kubernetes, and Helm.
* Developed Python web applications with Django, and deployed on Azure App service.
* Stored API requests in Azure SQL database and optimized data retrieval performance with Redis Cache.
* Containerized applications with Docker, implemented CI/CD with Azure Pipelines, and improved code quality with the help of Sonar Cloud.
* Implemented security measures such as storing database passwords as secrets on Azure Key Vault.
* Manipulated PostgreSQL databases with SQL and Python scripts using the psycopg2 library.

**INFORMATION TECHNOLOGY ASSISTANT**

**University of Michigan, Ann Arbor, MI | 2022/01 – 2022/04**

* Troubleshoot hardware and technical issues of electronic devices connected across the school network.
* Provided technical support to faculty and students at the University Of Michigan School Of Public Health.

**SOFTWARE ENGINEER INTERN**

**Lenovo, Taipei, Taiwan | 2021/06 – 2021/08**

* Received comprehensive training in NumPy, PyTorch, OpenCV, and other Python ML-related libraries.
* Fine-tuned deep convolutional neural networks to create image classification models with the CIFAR-10 and CIFAR-100 datasets as part of a research project at the Lenovo Datacenter.
* Created real-time object identification programs with pre-trained models and OpenCV.
* Wrote optimized python scripts to organize and filter data from excel files.

**E-COMMERCE WEB DEVELOPER INTERN**

**Parfums Christian Dior, Taipei, Taiwan | 2020/06 – 2020/08**

* Implemented front-end web interfaces such as animated dropdown-menus, responsive images, and animated text using JavaScript, HTML, and CSS.
* Worked with a team of developers to implement responsive web design on Dior Taiwan’s new SS21 E-commerce website for mobile devices.
* Tested website functionality and checked for back-end database failures by passing in sample membership information and purchase orders.

**Education**

**UNIVERSITY OF MICHIGAN, ANN ARBOR**

B.S.E. in Computer Science Expected May 2024

Engineering Honors GPA 3.86/4.0

Michigan Mars Rover Team - Computer Vision Engineer 2021 – present

**Skills**

Programming: Python, C++, C, Java, HTML & CSS, JavaScript, SQL, Git

Software / Tools: Docker, Kubernetes, Microsoft Azure, Jupyter Notebook, PostgreSQL