JASON YIH

17207 Epsilon Pl, Derwood, Maryland 20855

📞 240-888-2615 ✉ jjyih@@yahoo.com in linkedin.com/in/jason-yih ○ github.com/jasonyih

Education

University of Maryland, College Park   Aug. 2022 – May 2025
Bachelor of Science in Computer Science   *College Park, Maryland*

Relevant Coursework

- Object Oriented Programming I
- Object Oriented Programming II
- Introduction to Computer Systems
- Discrete Structures
- Foundations in Cybersecurity I
- Applied Cybersecurity Foundations
- Security Incident Handling and Management

Experience

App Development Club   September 2023 – Present
Bootcamp Member   *College Park, MD*

- Participate in workshops teaching Full Stack Development languages and frameworks, including Git/Github, HTML, CSS, JavaScript, React, Django, and PostgreSQL
- Built connections with a mentor who had prior internship experience to develop technical skills, career building, and networking skills

Obsidian Research at Carnegie Mellon University   June 2021 - August 2021
Research Intern   *Remote*

- Tested the cost efficiency of a blockchain programming language called Obsidian and wrote simple contracts in Obsidian and Solidity for preliminary testing of gas usage
- Added to Bash scripts to execute Obsidian programs on Ganache, a personal Ethereum blockchain and obtain the gas usage statistics
- Compared the gas usage statistics to functionally identical programs written in Solidity

Projects

Cybersecurity Honeypot | *Linux, Bash*   September 2023 – Present

- Designed and developed a honeypot implementation to attract and study cyber attacker behavior and wrote bash scripts to automate the creation and recycling of the honeypots
- Utilized Man-in-the-Middle (MITM) servers with LXC containers aiming to track cyber attacker actions while in the honeypot
- Collaborated with team members using Git to organize modifications. Also applied the agile methodology and created Gantt charts to organize tasks

University Course Registrar | *Java, Eclipse, JUnit*   December 2022

- Wrote a program in Java to simulate a university course registration system. Keeps track of courses being offered, the students in each course, as well as information about each student and course
- Utilized threads and concurrency to allow for the simultaneous registration of students. Debugged by writing JUnit tests and using Eclipse debugger

Form Filler App | *Java, Eclipse*   April 2021 – June 2021

- Solicited and documented requirements, designed, programmed, tested, and delivered an application to automate forms for field trip requests
- Lead tester by following established manual test scripts to perform unit testing, user acceptance testing, and interface testing (with Microsoft Word and Excel)
- Worked with a team in accordance with object-oriented and iterative software development processes and methodology (e.g., agile methodology, scrum-type meetings, Software Development Plan, User Documentation)

Technical Skills

Languages: Java, Python, C, Bash, HTML/CSS
Developer Tools: VS Code, Eclipse
Technologies/Frameworks: Linux, Git/GitHub, JUnit