Khanh Huyen (Harley) Phung

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EDUCATION

Case Western Reserve University - School of Engineering (*Cumulative GPA:* 3.9)   *Expected May 2025*
B.S., Computer Science
Professional Track: Information System, Computer Security, Software Engineering (Security and Network).
Relevant Coursework: Computer Networks, Introduction to Operating Systems (Linux based), Computer Security, Algorithms, Introduction to Artificial Intelligence, Full Stack Web Development.
Portfolio: https://pkhuyen.github.io/

PERSONAL PROJECTS

Secured Weather Tracking   *01/2024 - 05/2024*
- Integrated terminal aliases, PHP, Bash, HTML, and JavaScript to develop weather tracking, hosted on my personal website.
- Enhanced user experience for multilingual functionality with Translation using Google Cloud API.
- Link: https://weatherforecast.github.io/

Computer Network Applications   *01/2023 - 05/2023*
- Specialized in implementing transfer applications such as Messaging Routing and HTTP Proxy Transmission through TCP and UDP.
- Proficient in Java and Python Socket Programming in security configuration customized Red Hat Enterprise Linux (RHEL).

EXPERIENCE

Red Hat - IT Partners Integration   Raleigh, NC
Information System Engineer - Intern   05/2024 - Present
- Optimizing Automated Regression Testing System for Red Hat and accelerating 10 times processes within the development cycle while ensuring scaling and robustness of products.

XLab - Progressive Corporation   Cleveland, OH
Software Developer - Co-Op   08/2023 - 12/2023
- Worked on XLab - Progressive Project, aiming to increase up to 92% of mental health stability of Call Center's employees of Progressive Corporation.
- Analyzed data collected from Fitbit using customized Machine Learning Models to calculate stress rates.
- Under supervision of Dr. Erman Ayday from Case Western Reserve University

FPT Software - FPT Corporation   *Hanoi, Vietnam*
Software Developer - Internship   *05/2023 - 07/2023*
- Worked as a Java system-web developer intern for Team USA of FPT Software on a Biomedical Company's system (NDA signed).
- Leveraged tools such as Java, Intellj, Postman, Docker, DBeaver, MySQL WorkBench to meticulously eliminate bugs and security malfunction while optimized performance and reliability.

ACTIVITIES

Teaching Assistant - CSDS 132: Programming in Java   08/2023 - *Present*
- Worked with Dr. Harold Connamacher and Dr. Orhan Ozguner to create consulting events for 461 students in need of Java's supplements by hosting Office Hours and advising students on a weekly basis.

Safety and Equipment Manager - Competitive Team - Case Badminton Club   *08/2022 - 05/2024*
- Trained and competed professionally in Case Badminton Competitive Team.
- Kept track and managed student's health and status in the club and during tournaments.

SKILLS, INTERESTS & MEMBERSHIP

Working Proficiency: Proficient in Java. Intermediate in C, Assembly, Python, and PostgreSQL.
Interests: Malware Analysis, Incident Response in Cybersecurity, Machine Learning.
Membership: Out For Undergrad, Women in Cybersecurity, Lesbian Who Tech, CodePath, Women in Tech.