Minh Nguyen

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EXPERIENCE

Fleischhacker Medizintechnik GmbH Co. KG (Germany)
Software Development Engineer Intern   Jan '24 - May '24
- Led a pilot initiative to transition warehouse management systems by integrating RFID barcodes and scanners, resulting in a more accurate inventory count.
- Created a prototype for a warehouse digital item navigation system to be integrated with a .NET-based ERP. Designed Android application to function in parallel with the ERP, enabling smart scanning and automatic updates.
- Developed algorithms to automate task allocation to optimize warehouse operations, increasing daily output levels by 18% . Wrote an internal tool to provide hourly productivity forecasts; created models and simulated processes using Java.
- Reported and fixed bugs in the in-house ERP, added new features based on employee requests, writing macros for Excel workflows, and implemented data constraint logic bug checks.

Joint Stock Commercial Bank for Foreign Trade of Vietnam
Cyber-Security Intern   May '23 - Jul '23
- Using Burp Suite, tested the security of existing web applications through the lens of an attacker with a team of professional pen-testers. Identified a potential stored XSS vulnerability that could have affected users by creating pop-ups which could steal user's cookies. Suggested bug fixes for the vulnerability found to the development team.
- Observed and monitored connections to the bank's digital banking application to find malicious addresses that could potentially harm the bank using their locally built monitoring software. Shadowed an engineer in the process of setting prevention techniques, such as re-configuring firewalls, to stop connections from an external source.
- Identified and reported a Trojan malware which uses the host GPU for mining using sysinternals. Assisted in the process of removing the malware from systems affected, as well as install updates that will prevent future cases of this type of malware.

EDUCATION

Northeastern University, Boston
Bachelor of Science (BSc), Computer Science   (ongoing)
GPA: 3.38 *Dean's List*

United Nations International School of Hanoi, *Hanoi*
International Baccalaureate (IB) Diploma

SKILLS

Languages: Java, C++, Typescript, Javascript, Python, SQL, C#, C, VB.NET, Kotlin
Frameworks: React.js, Node.js, Lynx, MySQL, Docker, Flask, .NET
Tools: MongoDB, Heroku, Jenkins, Android Studio, sysinternals, Burp Suite, Excel, AWS EC2

ADDITIONAL ACTIVITIES

United Nations International School of Hanoi STEM Club
Co-Founder & Director of Robotics   Aug '20 - May '22
- Co-founded club to teach students about robotics.
- Taught 60+ high-school students to building simple robots using Raspberry Pi and Arduino.
- Organized and supervised the Microsoft Imagine Cup at UNIS Hanoi for 30+ students.

INTERESTS

- Watching and playing association football • Proficient recreational SCUBA diver