

HOANG NHAT DUY LE

Toledo, OH • (419) – 699 – 9535 • HoangNhatDuy.Le@rockets.utoledo.edu
linkedin.com/in/hoangnhatduyle/ • hoangnhatduyle.github.io/portfolio/

EDUCATION

The University of Toledo, College of Engineering

Graduation Date: May 2023

Bachelor of Science in Computer Science and Engineering, Cumulative GPA: 3.90

Relevant Coursework: Database-Driven Websites Design, Computer Architecture & Organization, Senior Design, Engineering Statistics, Statistical Methods, Digital Logic Design, Data Science I & II, Embedded Systems, Inside Cryptography, Operating Systems Programming, Software Engineering

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages: Java, C#, C++, Assembly Language (80x86 & ARM)

Data Science: Microsoft Excel, SPSS, SAS, Python, R

Web Development: HTML5/CSS, JavaScript (NodeJS, jQuery), TypeScript, Angular, PHP, MySQL/MSSQL, ASP.NET Core

Others: Object-Oriented Programming, APIs, Git, Azure (AZ-900, AZ-104), Unit Testing, Machine Learning

PROFESSIONAL EXPERIENCE

System Software Developer Co-op | Nysus Solutions

January 2022 – December 2022

Coordinate with 20+ members (PMs & Developers) to create and improve custom web-based manufacturing software

- Maintained and updated (mainly web-based) manufacturing software systems related to manufacturing execution system (MES), data collection systems, and web-based administrative applications.
- Tested and verified software for bugs and operating speed, and documented processes to increase efficiency.
- Updated and improved web-based software to improve the code base for over 15 customers.
- Collaborated with the Lead Application Architect to design and deploy a robust architecture that will facilitate growth of new applications being developed and deployed.
- Created 3 dashboards that were able to allow business owner to better understand projects' progress while creating convenient and creative ways to input internal data.

DevOps Developer Internship | Equity Trust Company

May 2021 – September 2021

Collaborated in a team of 5 to unit test and optimize the current Account Open process for Equity Trust Company

- Maintained and modified existing APIs while maintaining documentation and testing standards.
- Performed unit testing on 5 main functions in the company core process to verify customers' operations.
- Successfully deployed 2 features to production after performing necessary modifications and unit testing.
- Contributed to the process of remodeling and increasing security level of the Customer Account Open Process by changing it from Service Bus Queue to Topics & Subscriptions from Azure Architecture.

Software Developer Co-op | Plastic Technologies Inc

January 2020 – May 2020

Cooperated with 4 members of the Simulation Department to develop algorithms and update internal custom website

- Updated and maintained customer website using .NET Framework, C#, JavaScript, HTML, and SQL database to improve day-to-day operations within the company, and innovation for future business.
- Developed methods and algorithms to sketch graphs and calculated volume of plastic bottles and preforms.
- Assisted senior engineers with lab measurements and generated reports on simulation results of the product.
- Guided 3 customers with technical support for performing precision machining operations.

PROJECTS

Bone Conduction Railing System | Software Developer

August 2022 – Present

Working with 4 CSE students to construct a Bone Conduction Railing System for the UToledo Sesquicentennial Event

- Developing Arduino Software Program to play MP3 files from SD Card and output the sound to the speaker/amplifier.
- Conducting Unit Test and Conductivity Test to ensure sound quality and expected vibrations through railing system.
- Finalizing the construction of the product to serve 20,000+ students to study about UToledo history.

myHome Website | Full Stack Developer

December 2022 – Present

Personal Property Management Website – Url: myhome.fly.dev

- Building RESTful APIs that serve data to the Angular/TypeScript front-end to visualize information of tenants and help to administrate personal property.
- Analyzing 30+ user requirements to derive technical software design and performance requirements.
- Collaborating with 6+ tenants to identify practical issues and improve the efficiency of the website services.