**HOANG NHAT DUY LE**

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**EDUCATION**

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| **The University of Toledo, College of Engineering** | Graduation Date: May 2023 |
| Bachelor of Science in Computer Science and Engineering, Cumulative GPA: 3.90  Minor: Data Science | |
| 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**

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| **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:** Project Management, APIs, Git, MES, PLC Programming, Unit Testing, Machine Learning |

**PROFESSIONAL EXPERIENCE**

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| **MES Software Engineer | Nysus Solutions** | January 2022 – Present |
| **Coordinated with 20+ members (PMs & Developers) to create and improve custom web-based manufacturing software** | |
| * Developing and integrating MES software with ERP systems (e.g., SAP, Oracle) and floor equipment (e.g., PLCs, HMIs) to meet specific manufacturing requirements and enable automated production and streamline information flow. * Supporting transitioning management processes, assisting with the migration of legacy systems and data to the new MES platform while minimizing disruptions to production operations. | |
| * Providing technical support and troubleshooting for MES software issues, collaborating with vendors and internal teams to identify root causes and reduce downtime for more than 20 customers. | |
| * Coordinating onsite implementation of MES software solutions, working closely with the customer's engineering and production teams to understand their specific requirements and resolve over 30 number of technical issues onsite. | |

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| **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. | |

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| **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 mathematical methods and algorithms to draw graphs and calculate volume of plastic bottles and preforms. | |
| * Assisted senior engineers with lab measurements and generated reports on simulation results of the product. | |

**PROJECTS**

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| **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 40+ 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. | |

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| **Bone Conduction Railing System | Software Developer** | August 2022 – May 2023 |
| **Working with 4 CSE students to construct a Bone Conduction Railing System for the UToledo Sesquicentennial Event** | |
| * Developed Arduino Software Program to play MP3 files from SD Card and output the sound to the speaker/amplifier. | |
| * Conducted Unit Test and Conductivity Test to ensure sound quality and expected vibrations through railing system. * Finalized the construction of the product to serve 20,000+ students to study about UToledo history. | |