

HOANG BAO DUY LE

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EDUCATION

The University of Toledo - Toledo, OH

Bachelor of Science B.S (Computer Science and Engineering)

- Cumulative GPA: 3.74
- Minor: Data Science
- Anticipated Graduation Date: December 2022

SKILLS

- **Programming Languages:** Java, Python, C#, C++, Assembly Language (80x86 & ARM)
- **Machine Learning:** OpenCV, Image Processing, Object Detection, R, SAS, SPSS
- **Web Development:** HTML, CSS, JavaScript, NodeJS, Vue, PHP, SQL, .NET
- **Miscellaneous Technologies:** APIs, Git, Data Structure & Algorithm
- **Additional Skills:** Adobe Photoshop, Adobe After Effects, Adobe Premiere Pro, French (Fundamental)

CAREER EXPERIENCE

Systems Software Developer Co-op

January 2021 – Present

Nysus Solutions - Maumee, OH

- Maintain and update (mainly web-based) manufacturing software systems related to: real-time manufacturing execution system (MES), data collection systems, and web-based administrative applications, mainly involving integration to PLCs.
- Support existing applications using tools developed (HTML, JS, PHP) and MS SQL Server Management Studio.
- Ensure the reliability and accuracy of all systems implemented at Nysus Solutions.
- Participate in design efforts related to new system projects and support the implementation and ongoing use of these applications.
- Worked with the Lead Application Architect to design and deploy a robust architecture that will facilitate growth of new applications being developed and deployed.

LEADERSHIP AND ACTIVITIES

ParkUT Mobile App

Jan 2021 - Present

Software Developer

- Applying image processing and object detection with Python and OpenCV to detect number of vacant spots for all parking lot around UToledo campus.
- Collaborating with professor to implement algorithm find nearest available parking space.
- Creating web-based application using tools developed (HTML, JS, PHP).
- Implementing Flask and Heroku to deploy model application to mobile app.

myHome Project

May 2020 - Present

Software Developer

- Building and designing the user interface including planning, process, and policy development.
- Serving as website producer; ensuring consistency of website content and strategy across digital properties.
- Maintaining optimal website performance and managing hosting environment.
- Testing websites for cross browser compatibility.

UToledo Data Science Team

May 2020 – Oct 2020

Web Developer

- Collaborating with other CSE students to build and develop the main website.
- Assisting the President with several projects, including web development, chatbot, image recognition, etc.