Minh Ho
Expected Graduation: August 2024

📞 619-742-1596 • ✉ vho036@ucr.edu • 🌐 mnvho.github.io • 💼 mnvho

Summary

U.S Army National Guard member and software developer seeking to leverage my technical skills and military background in a challenging role. Passionate about developing software, embedded software, and AI/ML solutions.

- *Distinguished Honors Graduate* from the US Army Ordnance School
- Responsible for revamping online presence of a multi-million dollar manufacturing company.
- Excellent communicator with a solid understanding of data structures, algorithms, and data solutions. Proficient in Python, SQL, and various ML frameworks and platforms.
- Strong communication skills with experience in technical and stakeholder collaboration

Education

University of California - Riverside   Sept. 2022 – Aug. 2024 📅

Major: B.S. Computer Science

Relevant Cources: Data Structures & Algorithms, Compiler Design, Automata & Formal Langugae, Operating Systems, Design & Architecture of Computer Systems, Database Management Systems, Concurrent Programming & Parallel Systems, Embedded Systems, Software Engineering, Big Data Analysis, Machine Learning & Data Mining, Artificial Intelligence

Experience

UCR Robosub – Riverside, CA   February 2023 – Present 📅

Software Developer
- Collaborated with a team of student engineers to design, build, and test autonomous underwater vehicles for participation in the RoboSub competition.
- Utilized OpenCV to process images and enable real-time decision-making for the vehicle.
- Designed and implemented an autonomous control system using ROS, OpenCV, and Python
- Technologies used: Python, OpenCV, Ubuntu, Gazebo

Robotics Team (FRC 3647) – San Diego, CA   Sept 2018 – June 2020 📅

Lead Developer
- Taught students basic object-oriented programming, PID controllers, computer vision
- Taught students techniques for debugging and optimizing code
- Implemented an autonomous path-following algorithm using odometry and basic CV localization.
- Technologies used: Java, Python, Raspberry Pi

Apollo Manufacturing Services – San Diego, CA   June 2019 – September 2019 📅

Web Developer
- Designed, built, and published a commercial website advertising the company's services and expertise.
- Collaborated with 4 engineers and 4 stakeholders to gather design requirements for UI and website features
- Recognized by team for extremely efficient and clean code throughout development process
- Technologies used: HTML, CSS, JavaScript, PHP

Projects

Fake News Classifier   January 2024 – Present 📅
- Collaborate with 3 other engineers to develop a Fake News Classifier using a combination of machine learning and big data technologies
- The project accurately identify and classify fake news articles with 90% accuracy
- Create a dynamic website displaying our data and findings with advanced search and sorting functions.
- Technologies Used: Python, Apache Spark, Cassandra, Hadoop, ReactJS, AWS Cloud, HTML/CSS.

Underwater Filter   January 2024 – Present 📅
- Developing an underwater image filter to enhance underwater images by "removing" water effects, using advanced computer vision algorithms.
- Experimenting with deep learning and neural network for better applying the necessary adjustments for color correction and dehazing
- Technologies Used: Python, OpenCV

Skills

- **Software:** Java, C/C++ , C, Python, ROS, LaTeX, MATLAB, SQL, React, Spark, Hadoop, Scikit-learn, OpenCV, Pandas, NumPy, TensorFlow