

Duy Nguyen

Computer Engineer
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Professional summary

I hold a Bachelor's degree in Computer Engineering and have been admitted to a Master's program in Artificial Intelligence, scheduled to begin in spring 2024. I am enthusiastic about leveraging my technical expertise and advanced AI knowledge in intern or full-time positions that provide opportunities for growth and innovation.

Education

Master's in Artificial Intelligence | University of Texas at Austin | Texas

Jan, 2024

Bachelor's in Computer Engineering | California State University of Fullerton | Fullerton, CA

Aug, 2018 - May, 2023

Projects

Two-Factor Authentication | July 2023

- Developed a secure two-factor authentication system, integrating facial recognition and fingerprint scanning for a personal project.
- Employed Google Coral Development Board for efficient machine learning-based face recognition implementation. (Python, OpenCV, Serial, EdgeTPU).
- Utilized Arduino UNO R4 and its platform for accurate fingerprint verification, contributing to robust user authentication. (C++, Command communication, I2C/SPI).
- Expertly established communication between two micro-controllers, facilitating seamless interaction and data exchange between authentication modules.

Automatic Wastes Sorter | August 2022 - May 2023

- Automates waste sorting using Google Coral Dev Board with built-in Machine Learning Algorithms
- A system that had a central sorting chamber that could move along a sliding floor for sorting into three bins,(trash, recycle, and compost.)
- Completed the user interface function, using the Arduino and ultrasonic sensor to detect the user in front of the machine to power up the program.
- Completed the trash volume tracking in each bin and displayed the fill percentage on a 20x4 Liquid Crystal LCD.

MyPortfolio (duyhanguyen.info) | June 2023

- Designed a web portfolio for other people and recruiters to get to know me.
- Using HTML, CSS, and JS and host the web using Vercel.
- Self-explore project

Certifications

Google Cloud Introduction to Generative AI | August 2023

JPMorgan Software Engineering Virtual Experience Program on Forage | August 2023

Used Perspective data visualization software and Python to monitor stock price trends and create trading strategies.

JPMorgan Agile Virtual Experience Program on Forage | August 2023

Employment history

Phuc Long Coffee & Tea | Project Manager | Garden Grove, CA

Jul, 2021 - Present

Links

<https://www.duyhanguyen.info/>

Skills

Assembly Language (Expert)

Verilog/VHDL (Expert)

Arduino/MSP32/Google Coral (Expert)

Object-Oriented Development/C++ (Expert)

Embedded C (Expert)

Python (Expert)

Languages

English (Expert)

Vietnamese (Expert)