

Angel Pallares Quezada

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EDUCATION

B.S. Electrical Engineering, B.S. Mathematics

Purdue University

May 2016 - May 2021

Fort Wayne, IN, USA

TECHNICAL SKILLS

Programming: Python, C (embedded), C++, SQL, MATLAB, Assembly

Hardware: STM32(Cortex M3), Allen Bradley, Raspberry Pi, Arduino

Software & Environments: Linux, Altium, Simulink, NI LabVIEW, LTSpice

Languages: Spanish (native), English (native), German (B1), Italian (A1)

PROJECTS

Robotic Teaching | *Planning, design, analysis, testing, and evaluation of a robotic system*

- Implemented a system with multiple modules, sensors, and a UR5 collaborative robot arm with the goal of performing industrial applications for EE/ECE lectures
- Utilized computer vision, reinforced learning, a Raspberry Pi 4, and an Allen Bradley to program modules, including the game "Tic Tac Toe", while maintaining OSHA standards
- Established communication between the Raspberry Pi and the Allen Bradley through TCP/IP via ethernet with Python
- Tested and evaluated a photoelectric sensor, an ultrasonic sensor, an inductive sensor, and a color recognition camera

CIFAR-10 Classifier | *Deep learning with MATLAB*

- Trained a neural network to classify an image within the CIFAR-10 dataset with 78% accuracy
- Utilized multiple convolutional layers and cross entropy to build the neural network

Global Student Celebration | *Celebrating our diversity through performance, music, and food*

2017 – 2021

- Annually organized and directed an event celebrating campus diversity and cultures with an attendance of up to 650 people
- Managed and led fundraising, budgeting, marketing, and the decoration aspects of the event
- Oversaw teams and helped train new members in their preferred role of involvement

WORK EXPERIENCE

Medical Interpreter & Administrative Assistant

InterCultural Interpretation Services

September 2020 – Present

Fort Wayne, IN, USA

- Provide accurate interpretation from and into English and Spanish for patients and health care providers
- Create and organize excel sheets with information pertaining to the company's finances

Assistant Manager & Server

Dos Margaritas Mexican Grill & Bar

August 2021 – December 2022

Fort Wayne, IN, USA

- Provided quality customer service in Spanish and English
- Successfully performed multiple tasks at once under heavy time constraints

Interests: bass & guitar, languages, backpacking & camping, football, music production