

Johnny Ho

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SUMMARY

I'm interested in projects and innovating new technologies that can be put to practical use. I'm seeking a position where I can apply my knowledge and skills and increase my experience.

SKILLS & ABILITIES

- Programming Languages: #VHDL, #C, #Python, #MIPS, #Assembly #OpenCV
- Amateur Radio License: KQ4KPQ (FCC Licensed)
- Notary Public FL (HH475142)
- Certificates: Network Security, Microsoft Office, Intuit QuickBooks
- Familiar Languages: English, Vietnamese
- Ability to finish task, resolve problems, communicate, and work in multiculture environment

EDUCATION

MIAMI DADE COLLEGE, 2021-2025

Major: BS Electrical and Computer Engineering Technology

GPA: 3.50/4.0

MIAMI DADE COLLEGE, 2021-2023 (JULY)

Major: AS Electronic Engineering Technology

GPA: 3.47/4.0

G. HOLMES BRADDOCK SENIOR HIGH SCHOOL, 2018

Diploma May 2018

GPA: 3.2/4.0

SCHOOL PROJECTS

• Robot Cart Tracking, and Following(2024)

Tracks and follows a person with Webcam via OpenCV Python

Built with cart frame, DC Motors, Motor Driver, Arduino, Microprocessors, Python, OpenCV, Contains four different types of sensors and custom mechanical gears, chain, and wheels.

• AM/FM RADIO (2023)

Built using Audio Amplifier, AM Detector, AM IF, AM Amplifier, AM Mixer & Oscillator, FM Detector, 1st FM IF, 2nd FM IF, and FM RF Stages.

• Arduino PWM Signal DC Motor Control (2023)

Built creating with #C for software side, and hardware created with H-Bridge, LCD, and Buttons to control speed and display output to LCD monitor.

• Vending Machine FPGA (2022)

Built using finite state machine, VHDL, and FPGA to implement the software program into a hardware that can be used. (Vivado/Xilinx)

• Inverter Transistor (2022)

Built using 12v battery, transistors, resistor, and switch that acts as a short circuit.

• Digital clock w Oscillator (2021)

Built using Crystal Oscillator 32.7khz, Integrated chips, Diodes, and schematic to integrate everything together via soldering

HONORS AND
COMMUNITY
INVOLVMENT

- One Tree Planted 2022
 - Awarded ASTERIX Scholarship by U.S Dept. of Energy, 2021
 - PHI Theta Kappa National Honor Society, 2021
 - One Blood, 2017 – 2018
 - Medical Honor Society, 2017–2018
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