AUSTIN FISK

Http://pages.cs.wisc.edu/~fisk/ | 608-393-5902 | fiskaustin.af@gmail.com

Education and Training

University of Wisconsin - Madison — Madison, WI, USA
Bachelor of Science in Computer Science Graduated: May 2018

University of Wisconsin Baraboo/Sauk County — Baraboo, Wisconsin, USA
September 2013 - December 2015

Overview

- Enjoys embedded firmware, working in groups, R&D projects, and LEDs
- **https://pages.cs.wisc.edu/~fisk/** : Automatic Pool Chemical Machine, Touch Painting, Automated Chicken Door, Dynamic Motorcycle Headlights

Experience

Firmware Engineer Aug 2022 to Current
HP Tuners — Buffalo Grove, Illino
Embedded C
I2C, SPI, and CAN
TX/RX for 315/433MHz as well as 125KHz signals
Bootloader an App with OTA updates
Persisting variables through low power states
Worked on E41/E99 ECU Unlockers
TPMS Sensors and Tool

Embedded Software Engineer Jan 2021 to Aug 2023
Reconyx — Verona, WI
Developed embedded C code for the system UI that built upon the iCatch V37 Image processor. Worked on persisting and loading user configuration settings. Employed I2C communication protocols for communications between the House Keeper and the Image Processor chip as well as various other devices.

Test Automation Developer Jan 2019 to Current
MCANTA — Madison, WI
Created Test Automation demos to present to customers. Supported customers and fellow employees in their automation development processes. Developed and maintained documentation for automation best practices.

Skills

- **Programming Languages:** Python, Java, Visual Basic, Assembly, C, HTML, JavaScript, CSS, SenseTalk, PaceWords
- **Object Detection:** YOLO V3 & V5 Object Detection, Google Vision, Azure Vision API, Firebase Queries
- **Certifications:** ISTQB Foundation Level 1 | Eggplant: Functional Expert, Functional Genius, AI Genius, Monitoring Insights Expert, Monitoring Insights Genius | Qentinel Pace: Foundation, Advanced
- **Optimization/Speed:** Multi Thread on Embedded Systems, Bus Traffic Configuration, Power Saving, Interrupts, Measuring Speed with Ossilloscope
- **Failure Evaluation:** Photo Metadata, Firebase Queries
- **User Interface Design:** UI Mock Up, UI Design, Persisting Options
- **Hardware Skills:** Simple Circuit Design, Oscilloscope Debugging, Soldering