

AUSTIN FISK

[Http://pages.cs.wisc.edu/~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/> : Pool Monitoring Machine, Touch Painting, Automated Chicken Door, 433Mhz remote

Experience

Firmware Engineer

Aug 2022 to Current

HP Tuners — Buffalo Grove, IL

Embedded C

Hardware bring up

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

PIC Flash Programming

PCB Design

Embedded Software Engineer

Jan 2021 to Aug 2022

Reconyx — Verona, WI

Developed embedded C code for the system UI, built upon the iCatch V37 Image processor

Persisting and loading user configuration settings

I2C 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

Supported customers and fellow employees in their automation development processes

Skills

- **Programming Languages:** C, Python, Java, Visual Basic, Assembly, HTML, JavaScript, CSS, SenseTalk, PaceWords
- **Optimization/Speed:** Multi Thread on Embedded Systems, Bus Traffic Configuration, Power Saving, Interrupts, Measuring Speed with Oscilloscope
- **Failure Evaluation:** Photo Metadata, Firebase Queries
- **User Interface Design:** UI Mock Up, UI Design, Persisting Options
- **Hardware Skills:** Simple PCB Design, Oscilloscope, Logic Analyzer, Soldering
- **Additional Trainings:** Automotive Electrical 1, 2, & 3. Chip Whisperer. C++ Design Patterns. C++ advanced class. PCB Full Spectrum (Altium). Embedded System Security for C/C++ Developers.