

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

Overview

- Enjoys embedded firmware, working in groups, R&D projects, and LEDs
- Continuing education with a focus on firmware and automobiles
- <https://pages.cs.wisc.edu/~fisk/> : 433Mhz Remote, Pool Monitoring Machine, Touch Painting, Automated Chicken Door

Experience

- | | |
|---|----------------------|
| Senior Embedded Software Engineer
HP Tuners — Buffalo Grove, IL
Embedded C
Investigating and reverse engineering bus and RF messages
Code for hardware bring up | Dec 2024 to Current |
| Firmware Engineer
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 | Aug 2022 to Current |
| Embedded Software Engineer
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 | Jan 2021 to Aug 2022 |
| Test Automation Developer
MCANTA — Madison, WI
Working with customers and fellow employees to assist in their robotic process automation development. Copado and Eggplant platforms. | Jan 2019 to Current |

Skills

- | | |
|--|---|
| <ul style="list-style-type: none">• 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 Ossilloscope | <ul style="list-style-type: none">• 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). |
|--|---|

- **Failure Evaluation:** Photo Metadata, Firebase Queries

Embedded System Security for C/C++ Developers.