

Colin Findholt

E-mail: Colin@Findholt.net WWW: <https://findholt.net>

Professional Experience

2015-08 - Present

Geek Squad Double Agent - Consumer Electronics Expert

Geek Squad / Best Buy

Providing in-home, phone, and online support and Installation services for Computers, AV, smart home devices, and more.

2015-07 - 2017

Freelance Web Developer

Working with clients to achieve good looking responsive websites that meet my clients needs.

2014-12 - 2015-04

Network Support Specialist

Vertek

Offering phone and remote support working a triage ticket system to test and resolve issues with network installation contracts.

2012-02 - 2014-12

Product Shipping Dock Attendant

I.B.M.

Microchip Logistics and department IT Support.

2008 - 2009

Computer Technician

Computer Rescue Squad and Pine Computers

Hardware and software support, troubleshooting, and customer service.

2008-04 - 2008-08

Student Intern

White Plains New York Department of Public Works

Designed and integrated a HTML-based parts database system used in city water pumping stations.

Technical Achievements and Personal Projects

Custom Smarthome Configuration

- Backend running home assistant, configured with hand written YAML.
- Externally accessible via port forwarding, dynamic DNS, and Nginx proxy forwarding
- Data logging via HA Log, MariaDB, and Mysql database.
- Communicates via local network to other devices primarily via MQTT.
- Other devices include, but are not limited to
 - ESPhome devices running on esp8266 Boards for sensor data (Temperature, Humidity, Water level, Contact Sensors and IAQ)
 - WLED Devices running on esp8266 boards for addressable lighting control
 - Logitech harmony hub for home theater IR control
 - Raspberry pi zero devices used for sensors and IP Cameras.
 - Custom Built Relay Power Switch to individually cut power to 19 different vintage Game Consoles when not in use.
 - Esp32 based E-ink display showing sensor data.
 - Streamer.bot configuration running on PC, allowing connected devices to be directly controlled by Twitch chat.
 - Raspberry pi zero devices running custom Python based Systemd services
 - Zigbee and Zwave IOT Devices

3D Printing and Cad design

- Operating and Maintaining Multiple 3D Printers (both FDM and SLA)
- Designing Cases and parts for projects using CAD

Music and Streaming Configuration

- Multi computer setup utilizing different network technologies to balance processing load
- Custom Built Chiptune Music setup with 3D printed case and midi interfacing.
- Audio and Chat influenced Lighting and on screen visual system using Magic Music Visuals, MQTT, MIDI, WLED, and Home Assistant

Education

Vermont Technical College

Business in Technology

Fall 2007 - Winter 2008

Vermont Technical College

E-Commerce

Fall 2003 - Spring 2008

Center for Technology Essex

Web Design and Computer Animation

Fall 2001 - Spring 2002

Mount Mansfield Union High School

High School Diploma

Fall 1998 - Spring 2001