

Ethan Myers

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Skills

C, C++ and Python.

KiCAD, Eagle, Photoshop, Fusion360, \LaTeX

Basic mill, lathe, and MIG welding work, some CNC experience.

Conversational Spanish (5 years)

Education

Undergraduate at the University of Colorado, Boulder. Physics & Math Major, 3.6 GPA.

Employment And Volunteer Experience

Swim Coach, 2014-2017

Cashier, King Soopers, 2015-2016

VillageComponents LLC, 2015-2018

Intern, Walker and Dunlop, Summer 2016

Swim Coach @ Special Olympics Colorado, 2010-2017

Personal Projects

Geiger Counter

Designed a small Geiger counter based on the SBM-20 tube. Designed a 400V single stage boost converter and counting mechanism with discrete parts.

Wireless Garden Monitor

Designed and fabricated a custom PCB incorporating a 2.4GHz WiFi modem, microcontroller, low quiescent current boost converter and I2C, OneWire and UART sensor inputs. Utilized a time series database and local MQTT broker to graph historical data.

Growlights

Designed and fabricated a 450W LED grow light system with an evaporative cooling frame. Wrote custom controller firmware for an off-the-shelf backlight driver. Modeled light distribution and thermal characteristics in software.