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# OBJECTIVE

To obtain an **internship or co-op** position in the field of **Electrical Engineering** and make a positive impact through strong work ethic and skills gained from my education and work experiences.

**EDUCATION**

August 2019-May2020

University of Missouri-St. Louis

**General Education (Dual Enrollment Math Courses during High School)**

August 2020 - Present

Colorado State University

**B.S. Electrical and Computer Engineering** Major Specific GPA: 3.6/4.0

Overall GPA: 3.2/4.0

**EXPERIENCE**

**CSU High Energy Physics Laboratory**  Feb 2022-Present

# EE Intern for the Deep Underground Neutrino Experiment (DUNE) Fort Collins, CO

* Assembled and performed cryogenic tests on state-of-the-art ARAPUCA photon detectors
* Wrote code and designed circuits to test cables and readout boards for the photon detectors
* Designed, managed, and wrote official documentation for an inventory and quality control system up to Fermi-Lab standards
* Assembled, tested, and helped design various parts and assemblies used in proto-DUNE, managed spreadsheets, set deadlines, and orchestrated purchase orders to send regular shipments of these assemblies to CERN.
* Corresponded with engineers and physicists from CERN and Fermi-Lab to revise assemblies and streamline our production process

**Evergreen Homes** Aug 2015-Aug 2021

# General Contractor’s Assistant St. Louis, MO

* Assisted in the construction of over 20 houses from start to finish, doing tasks including:
  + Fireproofing/Tile/Flooring/Framing/Acquiring Materials
  + Measurement and Calculations

**COMMUNITY WORK**

**World-Wide Technologies**

**Volunteer Educator**

* Helped teach java to kids from ages 10-17, from beginner to intermediate level
* Worked alongside a team of senior developers at Worldwide Technologies to make our lessons more interactive

**GORC – Trail Building Volunteer (Greater St. Louis Area)**

* Reconditioned old trails and built new ones at several state and county parks

**COMPUTER SKILLS**

Microsoft Office , C/C++, Assembly, Python / MicroPython, Java, HTML-CSS-Javascript

Linux, Network Protocols, Github / Version Control, MatLab, Cadence/PSpice, API’s

**OTHER SKILLS**

Embedded Systems Design ESP32/8266 Arduino Circuit Analysis Cryogenics PCB Design

Project-Management Collaboration Written and Verbal Communication Radiation Training

**RELATED COURSES**

Electromagnetics, Electronics, Signals and Systems, Intro to IOT, Software Development with C++, Data Structures, Probability Theory, Ordinary Differential Equations, Penetration Testing with Kali Linux