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Ross Stauder

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Permanent Address:
334 George Ave.
Kirkwood MO, 63122

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