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Ethan L. Perry

SKILLS

Full Stack Development - Angular, Vue, TypeScript, NodeJS, Express, SQL, Agile Development Practices.

Industrial IoT - Python, Java, C++, Microcontrollers, Arduino and Raspberry Pi.

Sensor Systems and Ad-Hoc Networks - Wireless Radios, Sensors, Robots and other Hardware.

EDUCATION

Colorado School of Mines, Golden, CO — *Computer Science*

Anticipated Graduation - May 2021

- **GPA:** 4.0/4.0 - Dean's List
- **Applicable Coursework:** Data Structures, Linux OS, Discrete Mathematics.
- **Spring 2020 Coursework:** Database Management, Software Engineering, Computer Organization.
- **Activities:** Association of Computational Machinery, Linux Users Group, Club Triathlon, Residence Life Ambassadors, Band, Orchestra, and Marching Band.

EXPERIENCE

Lockheed Martin Corporation, Deer Creek, CO — *Software Engineering Intern*

July 2019 - PRESENT

- Improving company efficiency as a full stack developer with Angular and .NET.
- Integrating industrial IoT with web applications using Raspberry Pi and Python.
- Collaborated with management to interview and hire five new interns for summer 2020.

Alpine Coffee Company, Englewood, CO — *Lead Web Developer and Designer*

December 2014 - June 2019

- Promoted sales as the lead developer and designer of company website and store.
- Managed social media platform, and optimized advertising and website search index.

LEADERSHIP / VOLUNTEERING

Wild 4 STEM Club & Summer Camp - Lead organizer/founder of this STEM program for low socioeconomic elementary schools.

Intro to Computer Science TA - Mentor for beginning CS students at School of Mines.

Data Structures TA - Grader, lab assistant, tutor, and mentor for students in data structures.

PROJECTS / RESEARCH

Interactive Media Display - Web app development project displayed on interactive kiosks around campus.

FireNode: A Smart Fire Detection System - Selected for the Mines Innovation Fair and Industry awards.

IOT Systems for Smart Buildings - Ongoing independent study funded by the Mines CS department.

Low-Power Ad Hoc Networks - Research project focused on a novel, hybrid routing protocol for MANETs.

Ethics of Computer Consciousness - Independent study and research on ethics surrounding the concept.

AWARDS

The Boettcher Scholarship - Highly competitive scholarship program offered to 42 Colorado Students.

The Harvey Scholarship - Awarded to 16 of 1500 incoming students at School of Mines.

Mines Undergraduate Research Fellowship - Funded research fellowship offered to 130 school-wide.

Eagle Scout with Silver Palm - Awarded 'Eagle Scout Project of the Year' for my district.