

ThomasHenry J. Reagan

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Contact

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Summary

Electrical engineering and computer science student with interests in hardware design, AI, firmware development, and automation. Seeking an internship to hone engineering skills, explore career opportunities, and learn industry practices.

Skills

- Academic & creative writing
- Analog circuits
- Bash scripting
- C++
- Digital circuit design
- Embedded C
- FPGA prototyping
- GNU/Linux
- Group leadership
- MATLAB
- Microcontroller interfacing
- Microsoft Office suite
- Multilingual workplaces
- Operation of electronics lab equipment
- PC assembly
- Public speaking
- Teaching
- Teamwork
- Verilog
- 120 WPM typing speed

Education

Colorado School of Mines, Golden, CO

Major: Electrical Engineering

Minors: Honors Public Affairs, Computer Science

4.0 GPA

B.S 2020

Maine School of Science & Mathematics (MSSM), Limestone, ME

Diploma 2016

Residential magnet school with competitive entry, focused curriculum, and dual-enrollment courses

Engineering Experience

Colorado School of Mines — Teaching Assistant Jan 2017 - present

- Works in team of 6 TAs to guide students in physics studio activities
- Grades and provides constructive feedback on studio notebooks & exams

Microcomputer Architecture & Interfacing Lab Spring 2018

- Ongoing series of PIC microcontroller interfacing projects using hand-soldered development board, implemented in Embedded C via MPLAB X

EPICS I Team Design Project Fall 2017

- Designed *Lead Immobilizing Trailer*, a novel design for clean-up of lead topsoil contamination in remote areas using 'upcycled' materials
- Placed first in class competition

Work Experience

Hidden Pond Resort — Housekeeper/Driver Summer 2017

- Provided resort-to-beach transportation services
- Delivered amenities to guests' rooms
- Guest services position involved extended social interaction with guests

MSSM Summer Camp — Counselor, Mentor Summer 2013 - 2016

- Supervised students age 9-14 in overnight summer camp activities

Activities & Awards

- McBride Honors Program
- Phi Gamma Delta — Scholarship chairman
- Organization of Meditators at Mines
- Colorado School of Mines Dean's List Honors (all semesters)
- MSSM Student Senate — President, Treasurer (2014-16)
- MSSM Board of Trustees member (2015-16)