

# Daniel S. LaCommare

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## EDUCATION

### Colorado School of Mines - Golden, CO

B.S. May 2020

Major: Mechanical Engineering

#### Awards & Honors:

- Academic honor roll
- Francis J. and Mary Labriola Scholarship

## EXPERIENCE

### Pacific Gas and Electric Engineering Intern

San Ramon, CA  
May 2019 - August 2019

- Quantified Emergency shutdown zone data discrepancies in geospatial mapping software and formulated a centralized process for review
- Presented the process to VP of Gas Asset Management as an alternative to hiring contractors to conserve funds
- Showcased work at a company event to other PG&E employees

### Colorado School of Mines Human-Centered Design Studio

August 2019 - May 2020

- Corresponded directly with clients to develop adaptive equipment for individuals with disabilities
- Utilized scrum process to go through the product design stages from idea generation to completion including production in the machine shop
- Organized a team which designed and developed an adaptive rafting paddle for limited upper mobility white water rafters
- Designed Solidworks models for an adaptive eating utensil suitable for an individual with cerebral palsy
- Conducted FEA studies which ensured feasibility and safety allowing for progression into manufacturing of a prosthesis ice pick attachment
- Co-authored technical documents of the design processes to aid correspondence with the clients

### Colorado School of Mines Projects For People

August 2019 - December 2019

- Engineered a mechanical solution for the removal of mercury contamination in an artisanal gold mine in Colombia
- Counseled community members and industry professionals in Medellin, Colombia via weekly meetings to ensure the feasibility and community approval of the design

### Mt. Saint Vincent Volunteer

Denver, CO  
January 2020 - April 2020

- Provided structure and a relationship to children aged 8-14 in a residential program recovering from trauma and neglect
- Assisted in overseeing kids on excursions and everyday activities

### Rocky Mountain Reagents Production Worker

Golden, CO  
January 2018 - May 2018

- Assembled and labeled laboratory test solutions
- Measured and packaged various solid and liquid chemicals for distribution

## SKILLS / INTERESTS

**Technical:** SolidWorks CSWA Certified, FEA, C++, Matlab, Mathcad, Excel, Word, PowerPoint, Synergi, LabView

**Interests:** Tennis, hiking, piano, bread-making, dog fostering