

# Eleanor B Pearson

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**Objective:** Looking for a full time mechanical engineering position that allows me to work with a global focus.

## Education

### **University of Colorado Boulder**

BS in Mechanical Engineering

Minors: Applied Mathematics and French

**Graduation May 2019**

Cumulative GPA: 3.149, Last Semester GPA: 3.9

### **Le Centre International Rennais d'Études de Français pour Étrangers (CIREFE)**

B2 Diploma in French Language

**Graduated May 2018**

## Design Projects

### **Logistics Manager, EcosySTEM Arts, Senior Design Project**

**August 2018 - Present**

- Designing and fabricating an immersive STEM activity for children in a hospital setting that adheres to the strict sterilization and risk management requirements set by the hospital.
- Managing all logistics for a team of 6 including coordinating with the CEO of EcosySTEM Arts, external businesses, and project director to create a manufacturable product.
- Working collaboratively with team members to model components in SolidWorks and to prototype, test, and manufacture a final product for delivery to Anschutz Children's Hospital of Colorado.

### **CAD Engineer, Component Design Project**

**August 2017 - December 2017**

- Worked in a team of 4 to design and fabricate a drill powered vehicle.
- Oversaw the development of the CAD for the vehicle and created a structured bill of materials for 24 parts.
- Used FEA to analyse the vehicle and determine if it could withstand the mechanical stress and strain created during use.
- Vehicle was awarded 3rd place based out of 7 on time and maneuverability and 1st place for aesthetics.

## Work Experience

### **Residential Services Manager, CU Boulder Conference Services**

**Summer 2017**

- Managed housing for over 20 conferences ranging from 40 to 300 people while overseeing a staff of 50.
- Organized housing assignments for over 1500 conference attendees using Kx software.
- Facilitated quick turnovers between conferences including coordinating with environmental services staff.

### **Recitation Leader, Meaning of Information Technology**

**Fall 2016, Fall 2017, Fall 2018**

- Led recitations in French and English in order to expand on topics discussed in the main class.
- Helped students better understand the growing and rapidly changing field of Information Technology.

### **Electronics Lab Assistant, Cooperative Institute for Research in Environmental Studies**

**Summer 2016**

- Developed and implemented a new organizational system for all of the small electronics such as transistors which increased the efficiency of the lab.
- Assisted with fabrication of ongoing classified projects, including potting large coils, sandblasting items, and organizing electrical components.

## Associations

**Society of Women Engineers / Boulder, CO**

**Spring 2015 - Present**

**CU Boulder OSTEM Chapter Student Group / Boulder, CO**

**Spring 2016 - Present**

## Organizations

**Global Engineering Residential Academic Program / French Language Lead**

**August 2016 - Present**

- Created opportunities for students to improve their French language skills.
- Fostered an environment for multilingual communication by organizing events including multilingual dinners and movie nights.

## Skills

- Design Programs: SolidWorks - Associate Level Certification (100 hours), Simulink, SimScale
- Coding and Communication: MATLAB, Mathematica, EES, LabView, Microsoft Office
- Machining: Mill, Lathe, Basic Power Tools, Bandsaw, Drill Press, Sandblaster, Woodworking, 3D Printing
- Soft Skills: Project Management, Written Communication, Organization, Self Starting

**Interests:** I love to travel and have been to 17 countries. I enjoy finding fun restaurants and trying new foods.