

Christi A. LeCaptain

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christi-lecaptain](http://www.linkedin.com/in/christi-lecaptain)

Third year mechanical engineering student with junior standing. Completed three summer internships and involved in many co-curriculars. Skills in Spanish, engineering design and modeling. Looking for a hands-on summer internship. Willing to relocate.

EDUCATION

Michigan Technological University | Houghton, MI

BS Mechanical Engineering

| **GPA: 3.85**

Expected May 2024

TECHNICAL SKILLS

- MATLAB
- Spanish
- MS Excel
- Teamwork
- Hypermesh/FEA
- Statics analysis
- Thermodynamics
- Basic Circuits
- Wolfram Mathematica
- Engineering Design
- MS Office
- Project Management
- Document Management Software
- CAD/3D Modeling (NX, SketchUp)
- Technical & Memo Writing
- 3d Printing (Resin and Filament)

INTERNSHIP & RESEARCH EXPERIENCE

Lunabotics Team | Multiplanetary INnovations Enterprise (MINE) | Houghton, MI

Project: Excavator Team Member and Team System Integrations Representative

- Collaborated with systems integration team to ensure all required parameters were clearly outlined
- Brainstormed different types of excavator systems for use in lunar regolith environments

Project Lead | Empirical Technologies LLC (ETC) | Colorado Springs, CO

Project: Implementation of Paradigm 3 Document Management Software (DMS)

- Observed mechanical testing of various medical devices
- Corresponded professionally with a supplier for successful implementation of DMS
- Planned and held a training meeting to familiarize new users with DMS

Summer Intern | Michigan State University St. Andrews | Midland, MI

Project: Summer 2020 | Removal of Excess Fluoride from Drinking Water

- Used Excel to organize, calculate, and graph lab data
- Learned how to work collaboratively in a fully online environment

Project: Summer 2019 | Novel Organic Molecules for Energy Storage Applications

- Collected and interpreted data from NMR scans using software like MNOVA
- Ran synthesis experiments in a glove box
- Presented poster at an American Chemical Society event

WORK HISTORY

MTU Resident Assistant, Michigan Technological University, Houghton MI Aug. 11, 2021 – Present

Summer Intern, Empirical Technologies LLC, Colorado Springs CO May 17, 2022 – August 5, 2022

Seasonal Worker, Dow Gardens, Midland, MI May 3, 2021 – July 30, 2021

Summer Research Intern, MSU St. Andrews, Midland, MI June 20, 2019 – Aug 5, 2019

June 22, 2020 – July 31, 2020

CO-CURRICULAR INVOLVEMENT

- MTU Women's Club Rugby
- MTU Pep Band Flooter
- Daily Bull Writer and Distributor
- MINE Enterprise Excavator Team

AWARDS

- MTU Dean's List (2020, 2021)
- International Baccalaureate Diploma Recipient
- MPS Certificate of Biliteracy – Spanish 2020

References

Brooke Levine
ETC Deputy Quality Manager
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Ashley Eschbach
MTU Residence Education Coordinator
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