Emily Herman

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PROFESSIONAL SUMMARY

Full stack development student leveraging engineering experience and design sensibilities to create complex, visually appealing web applications. Gained experience in languages such as JavaScript and C from a Bachelor's degree in Mechanical Engineering (University of Utah) and a certificate in full stack web development (Michigan State University). As a passionate, detail-oriented programmer, I thrive in fast-paced working environments and seek to work on a team with other like-minded developers.

WORK EXPERIENCE

Williams International   Pontiac, MI; Ogden, UT; Walled Lake, MI
  Senior Engineer - Repair & Overhaul   November 2019 – Present
  Senior Engineer - Military Projects   October 2018 – November 2019
  Engineer - Assembly & Test   January – October 2018
  Engineer - Company-Proprietary Design Project   July – December 2017
  Engineer - Commercial Projects   February – June 2017
  Engineering Intern- Controls and Accessories, Military Project Engineering   May – August 2015, 2016

- Created tolerance stackups to evaluate feasibility of component design changes
- Presented to customers during product review meetings
- Evaluated returned engine hardware and wrote instructions for repair
- Designed and revised engine assembly tools and assembly line organizational fixtures
- Designed and drafted engine hardware in NX
- Designed test hardware for a successful engine blade-out test
- Plotted flight data; analyzed data in MATLAB
- Wrote a certification report to aid in FAA certification of a new engine model
- Assisted with hardware and engine testing; wrote corresponding test directives and reports

Utah Composites Laboratory   Salt Lake City, UT
Undergraduate Research Assistant   February – May 2016, August – December 2016
- Used manual mills and lathes to machine test fixture components for graduate student research
- Polished carbon fiber laminate samples to be used in NASA-funded research

Huntsman Cancer Institute   Salt Lake City, UT
Lab Aide- Ullman Lab   January 2013 – July 2014
- Aided in genetically engineering the protein 53BP1 to change its function in cancer cells
- Cloned a panel of DNA constructs to be used by research faculty
- Presented research regularly to fellow lab members

EDUCATION

Michigan State University   East Lansing, MI
Certificate in Full Stack Web Development   September 2020 – March 2021

University of Utah   Salt Lake City, UT
Bachelor of Science, Mechanical Engineering   August 2012 – December 2016
3.26 GPA

SKILLS/SOFTWARE

JavaScript | Node.js | AJAX | JSON | HTML | CSS | NX | Creo Elements Pro | Solidworks | MATLAB | Visual Basic | SAP | GD&T | Teamcenter