Emily Herman

Troy, MI 48084 | Phone: (801) 803-3414 | Email: herman.emily@outlook.com
Github: github.com/EmilyAH-01 | LinkedIn: linkedin.com/in/herman-emily | Portfolio: github.com/EmilyAH-01/Portfolio

PROFESSIONAL SUMMARY

Full stack developer leveraging engineering experience and design sensibilities to create complex, visually appealing web applications. Thrives in fast-paced working environments and seeks to work on a team with other passionate, detail-oriented developers.

TECHNICAL SKILLS

Programming: JavaScript | C | MATLAB | Express.js | React | Node.js | HTML | CSS | JQuery | AJAX | MySQL | MongoDB
Engineering: NX | Creo Elements Pro | Solidworks | ANSYS | GD&T | Manual Lathe & Mill Machining
Common: Microsoft Office | SAP | Teamcenter

EDUCATION

Certificate in Full Stack Web Development - Michigan State University; East Lansing, MI | **2021**

Bachelor of Science in Mechanical Engineering - University of Utah; Salt Lake City, UT

PROGRAMMING PROJECTS

Weather Dashboard | github.com/EmilyAH-01/weather-dashboard | emilyah-01.github.io/weather-dashboard
Presents a city's current and forecasted weather data. Stores searched city names in local storage and displays them on the page.
- Role: Individual project; front end developer
- Tools Used: JavaScript, AJAX, Open Weather Map API

Brew Hopper | github.com/EmilyAH-01/Brew_Hopper | emilyah-01.github.io/Brew_Hopper
Finds breweries close to the user and displays the fastest route between selected breweries.
- Role: Group project; developed project concept, integrated map into UI, programmed route calculation
- Tools Used: JavaScript, Open Brewery DB API, Here Maps API, Location IQ geolocation API

Cravings | github.com/EmilyAH-01/cravings | emilyah-cravings.herokuapp.com
Saves user input (a type of food) to a MySQL database and allows the user to update the status of the entered food.
- Role: Individual project; full stack developer
- Tools Used: JavaScript, Node.js, Express.js, MySQL, Handlebars.js

Note Taker | github.com/EmilyAH-01/express-note-taker | emilyah-note-taker.herokuapp.com
Allows user to create, save, and delete notes.
- Role: Individual project; front end developer
- Tools Used: JavaScript, Node.js, Express.js, AJAX

WORK EXPERIENCE

Williams International - *Gas turbine engine design and manufacturing* | February 2017 – November 2020
Senior Engineer – Repair & Overhaul | Pontiac, MI | November 2019 – November 2020
Evaluated returned engine hardware for airworthiness and wrote instructions for hardware repair.
- Co-led Repair Station effort to prepare tooling for the recertification of 4,000+ engines for Tactical Tomahawk missiles. Completed task within schedule and budget constraints.

Senior Engineer – Military Projects | Pontiac, MI | October 2018 – November 2019
Created tolerance stack-ups to evaluate feasibility of component design changes and updated CAD models accordingly. Presented to customers during product review meetings.
- Garnered promotion to Senior Engineer.

Engineer – Assembly & Test | Ogden, UT | January – October 2018
Designed test hardware, engine assembly tools, and assembly line fixtures. Assisted in 3D-printing tools and fixtures.
- Designed and assisted in the manufacture of hardware kitting trays. The trays were met with enthusiastic response from assembly technicians and management, as they reduced assembly time and errors.

Engineer – Proprietary Design | Walled Lake, MI | July – December 2017
Designed and drafted engine hardware to ASME standards using NX CAD software.
- Learned new CAD software and used it to tackle difficult, thin-walled design problem.

Engineer – Commercial Projects | Walled Lake, MI | February – July 2017
Plotted flight data in MATLAB. Helped conduct engine tests. Wrote report to aid in FAA certification of a new engine model.
- Wrote Excel macros to generate accurate test documentation. Excel workbook was published by management on company intranet for widespread use.