

# LOGAN ZEHR

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## SUMMARY

Mechanical Engineering graduate changing careers into Web Development. 4 years of Manufacturing Engineering with a strong background in project management, problem solving, troubleshooting and team collaboration.

## TECHNICAL SKILLS

**Languages:** JS, CSS, HTML, SQL, NoSQL

**Applications:** Github, MongoDB, MySQL, Heroku, Postman

**Frameworks & Libraries:** Node, Express, React JS, Handlebars.js, Bootstrap, Sass, JWT Auth

## PROJECTS

**The Cocktail Generator** | Repo: [github.com/zehrl/cocktail-generator](https://github.com/zehrl/cocktail-generator) | Live: [zehrl.github.io/cocktail-generator](https://zehrl.github.io/cocktail-generator)

- **Summary:** Recommends a list of cocktails that are appropriate to the users location & time zone.
- **Role:** Back End
- **Tools:** JavaScript, jQuery

**News Flow** | Repo: [github.com/CoryKDev/news-flow](https://github.com/CoryKDev/news-flow) | Live: [news-flow.herokuapp.com](https://news-flow.herokuapp.com)

- **Summary:** Provides an interactive, exploratory experience where users can click on a map and pull up relevant news articles based on location.
- **Role:** Full Stack
- **Tools:** JavaScript, React JS, Node, Express, MongoDB, JWT Auth, Google Maps API, Bing News API, CSS, Sass, HTML, Bootstrap

**Eat the Burger** | Repo: [github.com/zehrl/burger](https://github.com/zehrl/burger) | Live: [ljz-eat-the-burger.herokuapp.com](https://ljz-eat-the-burger.herokuapp.com)

**Summary:** Recommends a list of cocktails that are appropriate to the users location & time zone.

- **Role:** Full Stack
- **Tools:** Javascript, Handlebars, Express, MySQL, CSS, Bootstrap, HTML

## EXPERIENCE

**Manufacturing Engineer (Contractor)**

2020 – 2021

**Ingersoll-Rand**

Kent, WA

Worked in the Ingersoll-Rand Kent Manufacturing Engineering team supporting production needs including: RCCA, project management & ownership, and first article inspections.

- Collaborated with a cross-functional team daily to prioritize factory quality issues.
- Led a project initiative to insource machined parts to increase earned hours for factory employees.

**Product Manufacturing Engineer**  
**Honeywell Aerospace**

2019 – 2020  
Redmond, WA

As one of the process & area experts in Honeywell Aerospace's Integrated Supply Chain, my responsibilities included: driving scrap reduction & process improvement projects, providing training & certification for factory personnel, and integrating next-gen sensor processes, documentation & equipment into production.

- Designed and implemented ergonomic tooling & documentation for production operators.
- Improved & developed current and future processes utilizing Six Sigma tools resulting in reduced turn-around time for operator training and reduced process cycle-time.
- Managed & completed two scrap-reduction projects per year involving a cross-functional team and monthly report-outs. Projects resulted in reduced supplier cost, reduced ergonomic related injury costs, and reduced process cycle-time.
- Performed material analysis using sectioning, polishing & etching techniques to determine the quality of welds as well as general defects during RCCA.

**Rotational Engineer**  
**Honeywell Aerospace**

2017 – 2019  
Redmond, WA

Worked in three different areas at the Redmond site for 6 months each rotation consisting of: Quality Assurance, Manufacturing Engineering, and Design Engineering.

- Developed improved tooling for test station equipment associated with new product implementation.
- Performed Aerospace Industry standard RCCA (per AS9100) for high risk, factory issues and processes. RCCA reduced factory escapes by adding controls to current processes.
- Trained & certified personnel to factory processes as well as Aerospace standard quality inspection in responsible process area.

**EDUCATION**

**Full Stack Web Development Bootcamp** - University of Washington

Seattle, WA

6 month program aimed to prepare candidates for a career in Full Stack Web Development. Major topics include: HTML5, CSS3, Bootstrap, JavaScript, JQuery, Node, Express, Git, MySQL, MongoDB, Handelbars.js, React JS, progressive web apps, and agile methodology.

**Bachelor of Science in Mechanical Engineers** - Purdue University

West Lafayette, IN