

JEFF BREIG, EIT

Full Stack Developer, Mechanical Engineer

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SKILLS

HTML | CSS | LESS/SASS | JavaScript | React | Redux | Jest | React Testing Library | Node.JS | Express | Knex |
SQL | SQLite3 | Python | Git/Github

EDUCATION AND CERTIFICATIONS

Lambda School

Full Stack Web Development

September 2019 - January 2021

University of Cincinnati

Bachelor of Science, Mechanical Engineering

Cincinnati, OH

September 2010 - May 2015

PROJECTS

FaultLine.app - Full Stack Developer

HTML, CSS, React, SQL, Node.JS

A progressive Web App that logs and stores earthquake data from across the globe.

- Automated backend to cache recent data and maintain most frequently searched data from the USGS API.
- Created look and feel of front-end, including layout, animations, and functional UI elements.
- Developed news-feed portion of the site, consolidating multiple earthquake related stories into a coherent timeline.

Game of Life - Full Stack Developer

HTML, CSS, React

A simulation of Conway's "Game of Life", a cellular automation that portrays cell reproduction.

- Implemented algorithms that determined cell reproduction during the simulation.
- Created front-end that can be customized in many aspects to the user's liking, modifying the game experience.

EXPERIENCE

Hixson Architecture Engineering Interiors

Cincinnati, OH

BIM Manager

September 2020 - Present

- Headed numerous multi-disciplinary teams regarding the advancement of technology within the company, including BIM related software and processes, as well as general technology innovations used throughout the company.
- Introduced automation into design processes using Python and Dynamo, simplifying design work, accelerating software upgrade rollouts, and improving the end-user experience.
- Created file size reduction macro that reduced AutoCAD equipment file sizes by as much as 80%.
- Automated scope write-up submission process as well as Hixson University course survey processes, reducing time spent on these processes by 90%.

Manufacturing Project Engineer

May 2015–Present

- Developed equipment layouts from high level master planning to detailed construction documents in order to meet or exceed client needs in an efficient, cost-effective way.
- Harmonized Manufacturing department with Hixson's various engineering and architectural disciplines, granting the department self-sufficiency and standardizing project documentation.
- Identified as the department's SME on incorporating equipment drawings into models and layouts using Revit, AutoCAD, and Inventor.