Jon Myers

"Full-stack software engineer with a professional background in mechanical engineering and manufacturing."

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LinkedIn | GitHub | Portfolio

LANGUAGES

Python | Javascript | Typescript | HTML | CSS | C++

FRAMEWORKS & TECHNOLOGIES

React | Node | Express | MongoDB | D3 | Material UI | Django | OpenCV | Selenium | BeautifulSoup | Git

PROJECTS

Kanban - *Full-Stack MERN Time-Management Application* (Github | Deployed)
Typescript, React, MongoDB, Express, Node, Material UI

- Worked in a remote agile team with 3 other full-stack developers using Zenhub for project management
- Created reusable React components using Material UI for consistent styling to match project mock-ups
- Refactored entire back-end to work with more granular Mongoose model structure for efficiency and scalability

RAMENINDEX.COM - *Full-Stack Django Food Review / Sharing Blog* (Github | Deployed)
Django, Python, Javascript, SQLite, Bootstrap

- Personal project to allow friends to create a database of food product reviews. Hosted on an Apache server running on a Raspberry Pi 3
- Python backend analyzes user-uploaded images to create custom color themes rendered by templating engine for each product detail page

EXPERIENCE

Leatherman Tool Group, Portland, OR — Product Design Engineer II

JULY 2017 - APRIL 2020

Design and implementation of new knife and multitool products from initial concept through production manufacturing. Responsible for all design aspects of NPI: CAD modeling & 2D drafting, prototype creation, statistical & arithmetic tolerance analysis, material selection, stress & failure analysis using FEA and laboratory technologies, data collection, analysis, and presentation.

Vigor Works, Clackamas, OR — *Project Engineer*

SEPTEMBER 2015 - JULY 2017

Design of metal fabricated components for high-speed military watercraft. Responsible for assembly, machining, & weldment designs as well as complex work packages for shop use. Provided manufacturing support to various trade shops and external vendors.

EDUCATION

Portland State University, Portland, OR — *BS, Mechanical Engineering*

Bard College, Annandale-on-Hudson, NY — *BA, Physics*

PROFESSIONAL DEVELOPMENT

Hatchways Co-op May 2021 | **MITx**: 6.00.1x (Grade: 99%) | **freeCodeCamp.org:** Responsive Web Design | Javascript Algorithms & Data Structures | Front End Libraries | Data Visualization | APIs and Microservices | Scientific Computing with Python | **NCEES:** EIT (2015)