

Michael Thompson

Software Engineer

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Motivated software engineer looking to further my professional career in web development. Experienced at leveraging modern software tools and adopting industry best practices to deliver full stack web applications. Skills range from implementation of clean and responsive front end design patterns, to lightweight and efficient backend architectures, and everything in-between.

WORK EXPERIENCE

Software Engineer, R&D Redwire Space

05/2021 - Present

Jacksonville, FL

Redwire Space is the Mission Partner of Choice for Civil, Commercial, and National Security Space

Achievements/Tasks

- Build internal applications, toolkits, and theme plugins for rapid development using front end web technologies (HTML, CSS/SASS, Javascript, React).
- Lead efforts to modernize the practice of storing, sharing, and visualizing mission critical data.
- Consult company-wide to push forward-thinking web design patterns and workflows.
- Optimize data analysis protocols with automated test implementation.
- Collaborate with engineering teammates to generate creative, expense saving ideas to meet contract requirements.

Engineering Intern Made In Space, Inc.

05/2018 - 05/2021

Jacksonville, FL

Made In Space (Acquired by Redwire Space) is the Industry Leader for Manufacturing Technologies designed for the Outer Space Environment

Achievements/Tasks

- Direct involvement in the design and build phases of 4 manufacturing modules currently aboard the International Space Station.
- Participate in technical conceptual development for multi-million dollar contract bidding (NASA, DoD, USAF, & more.)
- Evaluate emerging companies and technologies for economic and technical fidelity.
- Acquire engineering best practices, learn design and contract lifecycles, and cultivate effective communication in a professional setting.

EDUCATION

Biomedical Engineering University of Nebraska at Omaha

09/2016 - 05/2021

Omaha, NE

SKILLS

UI Design

Web Development

JavaScript

React

Redux

Axios

SASS/CSS

HTML

API (REST)

Python

Flask

Go

Gin/Mux

Cloud Services

PERSONAL PROJECTS

Admin Dashboard App

- Fully responsive React app (mobile friendly).
- Syncfusion libraries enable rapid chart and tool development, including color schemas and theming.

Wildfire Tracker

- Engineered using React, Google Map API, and NASA Open API.
- Live display and location information of wildfires across the world.

Cryptocurrency Tracker

- React, Redux, Axios application tracking and displaying position of all major crypto coin.
- Data accessed from RapidAPI's cryptocurrency API.

NASA Astronomy Photo of the Day

- React application accessing a NASA Open API.
- Automatically updates, displaying new information each day.

ACHIEVEMENTS

NASA Fellowship - 2018

NASA Fellowship - 2019

Published in Journal of 3D Printing in Medicine - 2019

INTERESTS

Web Development

3D Printing

Aerospace

Astronomy

Climate Sustainability

Travel

Music