

# ROBERT GORZ

## Software Engineer

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## SKILLS

- JavaScript
- React
- Python
- Flask
- SQL (SQLite, SQLAlchemy)
- HTML/CSS
- C++
- Java
- Linux CL
- Git/GitHub
- VS Code
- Data Structures & Algorithms
- Debugging

## EDUCATION

Software Engineering Bootcamp  
Certificate of Completion

Full Stack Development  
Flatiron School

📅 April 2023

B.S. Engineering  
Construction

Iowa State University

📅 May 2016

📍 Ames, IA

### Additional Relevant Courses:

- Programming I & II
- Discrete Structures
- Computer Org & Architecture
- Java Programming

*Reliable and dedicated engineer with 6 years of successful projects and client satisfaction. Seeking to leverage my project management expertise to create and deliver innovative solutions as a full stack software developer.*

## PROJECTS

### Full Stack Web Development - React/Flask [GitHub](#)

- Created a travel journaling equipped with user logins and customized map interactivity based on user input journals.
- Utilizes Python/Flask to create and maintain the database. Demonstrates one-to-one, one-to-many, and many-to-many relationships amongst database models.
- Built database using Flask RESTful conventions to allow for full CRUD actions on some models and create/read on all.
- Designed with Semantic UI alongside pure CSS for a streamlined look and feel.

### Full Stack Web Development - React/Flask [GitHub](#)

- Built a React front-end linked up to Flask back-end allowing users to create customized playlists that persist to the database.
- Demonstrates one-to-one, one-to-many, and many-to-many relationships amongst database models.
- Designed customized backend routes using Flask RESTful conventions performing CRUD actions to retrieve and manipulate data.

### Front End Web Application - React [GitHub](#)

- Utilized React and Semantic UI to display various UFC fighters' details where all data is held in a custom local JSON database.
- Implemented poll voting, controlled forms to submit or update data and comments sections.
- Organized code into maintainable React components to emphasize separation of concern and various React hooks to provide dynamic interactivity throughout.

### Front End Web Application - JavaScript [GitHub](#)

- Collaborated with a team of three to create a web application allowing users to generate meal recipes at random, through search, or filtered by category.
- Built with vanilla JS/HTML/CSS. Demonstrates DOM manipulation, event handling & fetching to a public API.
- Implemented unique styling using CSS to display an interactive menu and list of meal choices. Displays a modal window on selection to bring individual meal cards to the foreground.

## WORK EXPERIENCE

### Senior Project Engineer

#### McCarthy Building Companies

📅 May 2016 - April 2022

📍 Omaha, NE

- Achieved 100% of deadlines and project goals, earning a promotion upon completing a \$40M project.
- Partnered with a small team to oversee larger projects, including the planning and construction of a hospital and medical office building, totaling \$55M+.
- Led coordination of 3D modeling for all critical building systems to maintain 100% clash free implementation.
- Managed scheduling, coordinating, and overseeing of vendors and subcontractors, averaging 200 onsite employees.
- Implemented and monitored software to track project costs and modifications, resulting in precise profit projections.