

Zach Battaglia, P.E

Skills

- Development: JavaScript, React, jQuery, HTML, CSS, Bootstrap, Material-UI, Cirrus.CSS, GitHub, Redux, Sagas, SQL, Heroku, Node.js
- Interpersonal: Communication, Client Relations, Leadership, Public Speaking, Project Management and Scheduling.

Experience

Prime Digital Academy (January 2020 - Present)

Full Stack Software Development Student

- Kitch-In-Ventory Application - solo project
 - This application was built to allow users track ingredients they have in their kitchen and automatically generate a shopping list for them based on items that are running low.
 - The users could manually add and remove items from their kitchen, but the application would automatically add ingredients the user marked 'bought' on their shopping list or reduce the quantities by selecting a recipe to make in the application.
 - The application used Nodemailer to send invitations to between user's.
 - This application was built with Node, Express, React, Redux, Sagas, Postgresql, CSS, Cirrus.CSS, and Heroku. While browser based, the styling was reactive to allow for viewing on mobile platforms.

Obermiller Nelson Engineering (November 2018 - December 2019)

Electrical Engineer

- Team leader and engineer of record for complex building electrical designs.
- Responsible for multiple projects in different stages of development.
- Delegated tasks to designers and reviewed work for compliance with required codes and client requirements.
- Worked on multi-disciplinary teams with engineers, architects, building officials, and non-technical members to deliver successful projects to clients.
- Point of contact for clients to develop electrical systems design parameters, budgets, and schedules.
- Interacted with contractors on daily basis to resolve construction issues and keep projects on schedule for the client.

Wold Architects and Engineers (May 2017 - November 2018)

Electrical Engineer

- Team lead on multiple projects for building electrical systems. Reviewed work of other engineers to keep designs on schedule and to the clients requirement.
- Interacted with multidisciplinary teams and clients to develop project parameters and budgets

- Coordinated with contractors on a daily basis during construction to keep projects on schedule for the client.

NV5, Inc (September 2016 - April 2017)

Electrical Engineer

- Responsible for modeling existing electrical utility distribution systems in electrical modeling software (SKM).
- Modeled the addition of large scale solar generation sites and connected to existing system model. Ran simulations of new system and created a report of results to deliver to client following the clients specifications.
- Responsible for providing recommendation's to clients for upgrades to existing system that allowed for largest addition of solar to the system at lowest cost to the client.

Wold Architects and Engineers (October 2013 - September 2016)

Electrical Engineer

- Worked under supervision of senior engineers to develop electrical building system designs to client specification.
- Responsible for coordinating with other members of multidisciplinary team to solve design issues, and coordinate current project schedule to keep projects on schedule.
- Delivered projects to client for construction on time that met all requirements and could be constructed at lowest cost to the client.

Education

- Prime Digital Academy
 - Attended: January, 2020 - Present (Anticipated Graduation June, 2020)
 - Degree: Full Stack Software Engineering Certification
- University of Minnesota - Twin Cities
 - Degree: Bachelors of Science - Electrical Engineering (May 2013)
- University of St. Thomas (St. Paul, MN)
 - Attended: September, 2009 - May, 2011
 - General coursework and Electrical Engineering classes.