

# RYAN HAEFNER

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## Web Development Projects

**Portfolio** – <https://haefneryan.github.io/portfolio>

### Scheduling Tool

- This project is a re-creation of an existing scheduling tool used to create an estimated delivery date for custom products. The purpose is to schedule orders based on complexity to increase accuracy of delivery dates to customers. It is a full stack application that includes basic CRUD functionality. This was my first full stack application and learned a lot about creating a backend and how to communicate between the front and back ends.
- Tools Used: React, Node, Express, MongoDB

### Web Store

- This project is a basic E-commerce webpage. It displays products with filtering, and functionality to add items to favorites and your cart. This was the first project that I created to learn React.
- Tools Used: React, CSS

### Student Grades - API Project

- This project displays students and related information. The purpose of this project was to learn how to fetch data from a third-party API, and display data to a webpage. There is a field to add tags to users, and to be able to search by student name or tags.
- Tools Used: JavaScript, HTML, CSS, Fetch API data

### Soccer Scores & Tables - API Project

- This project displays scores and tables from soccer leagues around the world. The purpose of this project was to learn how to fetch data from a third-party API, and display data to a webpage.
- Tools Used: JavaScript, HTML, CSS, Fetch API data

### Tic-Tac-Toe, jQuery Calculator

- Fun beginner projects to learn the basics of JavaScript, HTML, and CSS

## Work Experience

### SPECIAL PRODUCT ENGINEER | STEELCASE, INC. | DECEMBER 2017 – PRESENT

- Designing custom products varying from simple size changes to complex product development projects.
- Determine feasibility and cost related question requests from customers daily
- Web Development: Improve and maintain scheduling tooling for prioritizing department workload
  - Full Stack application that provides customers with delivery date

### MECHANICAL DESIGNER (CO-OP) | HYDRO-CHEM SYSTEMS, INC. | MAY 2015 – MAY 2017

- Designing large scale assemblies and creating detailed mechanical and electrical engineering prints.
- Creating building layouts of systems for sales and installation purposes.

## Skills & Abilities

- Strong communication skills.
- Ability to play leader or team member role.
- Strong conflict resolution abilities.
- Hard-working and self-disciplined individual.

### TECHNICAL SKILLS

- Computer Aided Design (CAD) – SolidWorks, Pro-E, AutoCAD
- Web Development
  - JavaScript
  - HTML/CSS
  - jQuery
  - PHP
  - SQL
  - APIs
  - React
  - Node/Express
  - MongoDB

## Education

### BACHELOR OF SCIENCE, ENGINEERING | GRAND VALLEY STATE UNIVERSITY | 2017

- Involvement in design projects that undergo design process, which includes interpreted customer needs, develop specifications, brainstorming, concept iteration, selection matrix, and prototyping.
- Design projects: rolling nail gun, esophagostomy device, and trailer automated washout rover.