

# Aidan Chamberlain

Mechanical Designer - Burns & McDonnell Co.

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GitHub: <https://github.com/RedComet6>

Website: <https://redcomet6.github.io/portfolio-aidan-chamberlain>

## **SUMMARY**

I desire full-time employment as a back-end or database developer. In my 6 years of experience I have learned many technical skills in addition to building great ability in communication, abstract problem solving, and interfacing with clients to deliver to them a product exactly how they envision it. I have been an integral part in the design of dozens of multimillion-dollar design/build projects and my cheerful attitude has often been noted to keep morale high in my department.

## **TECHNICAL SKILLS**

- **Programming:** HTML, CSS, Javascript, Node, SQL, Express, Sequelize, Inquirer
- **Engineering:** Revit, AutoCAD, BIM 360, Microstation, Navisworks, ReCap

## **PROJECTS**

### **Petrol Pirate**

- A user signs up for an account; then the user can view user-submitted locations where gasoline is cheap as well as post the user's own gas location to the database.
- Utilizes: HTML, CSS, Javascript, Node, SQL, Express, Sequelize
- GitHub Repo: <https://github.com/TeamHBs/petrol-pirate>
- Deployed to Heroku: <https://hbs-project-two.herokuapp.com/>

### **Money Flagz**

- A user may choose a country from a dropdown list; then the user is presented information about the chosen country including the flag, ISO2 code, capital city, country endonym, local currency, and the local currency conversion to bitcoin
- Utilizes: HTML, CSS, Javascript, Country Flags API, CountryStateCity API, Free Currency Rates API
- GitHub Repo: <https://github.com/Team-WYSIWYG/project>
- Deployed to GitHub Pages: <https://team-wysiwyg.github.io/project/>

## **EXPERIENCE**

### **Mechanical Designer - 2018-Present**

Burns & McDonnell Co. - Downers Grove, IL

- Design the layout and functionality of equipment, piping, and ductwork systems. Create and update engineering documents such as plans, elevations, and instrumentation diagrams.
- Perform Administrator duties for cloud-based projects. Unify CAD standards and best practices for coworkers/consultants. Disperse these standards and organize users to ensure proper adherence.
- Accomplishments:
  - Worked with a client that uses filetypes incompatible with certain engineering packages to create a process for exporting files into a middleman filetype for file sharing
  - Created a single point of access for colleagues to reach data such as engineering standards, standard details, template models, and linetypes

### **Cad Drafter - May 2016-March 2018**

Archer Daniels Midland Co. - Decatur, IL

- Create and edit engineering documents, reports, and models for both existing and proposed equipment, processes, and sites.
- Collect on-site data through a variety of tools to use in the engineering process.
- Accomplishments:
  - Streamlined creation of plant data by implementing laserscanning technology
  - Greatly expanded department's library of equipment models to include custom shapes and sizes

## **EDUCATION**

### **Northwestern University - Certificate of Completion - Full Stack Coding Bootcamp**

May 2022

### **Purdue University - Bachelor of Technology in Computer Graphics Technology**

May 2016