Aidan Chamberlain

Mechanical Designer - Burns & McDonnell Co.
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SUMMARY

I desire full-time employment as a 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 additionally my cheerful attitude has often been noted to keep morale high in my department.

TECHNICAL SKILLS

- **Programming:** Javascript, HTML, CSS, Node, React, MySQL, MongoDB, Express, Sequelize, Mongoose, GraphQL, Jest, Inquirer
- **Engineering:** Revit, AutoCAD, BIM 360, Microstation, Navisworks, ReCap

PROJECTS

Gamerz Statz
- A user signs up for an account using an existing Xbox Live gamertag. The user's Gamerz Statz profile shows the general achievement information for each of the games in the user's library. A user can click into a game and be shown the achievement info for that game charted against the achievement info for the same game of a chosen Xbox Live friend.
- Utilizes: HTML, CSS, Javascript, Node, MongoDB, Mongoose, Express, GraphQL
- GitHub Repo: https://github.com/Its-The-S/gamerzstatz
- Deployed to Heroku: https://gamerzstatz.herokuapp.com/

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/

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 Administrative 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:
    - Repaired/Replaced over 200 air handling units in O-Hare Terminal 1 without disrupting normal traveler convenience
    - 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