David Gordon

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EDUCATION

Green Bay, WI   **University of Green Bay – WI**   **2016-2019**

- B.S. in Computer Science (3.5 gpa)
- **Coursework**: Algorithms and Data Structures, Data Science, AI, Advanced Software Design, Mobile Application Development, Computer Architecture, Communication

PROJECTS

Chat Application   **chat.underengineered.dev**

- A chat application using websocket connections for real time communication between connected clients.
- Developed a partial implementation of STOMP for use as a websocket message frame protocol.
- The Websocket component of the project acts as a Pub-Sub event channel for connected clients. On receiving an event notification, clients then access updated resources via a json API.
- The Java Spring backend of the site is fully containerized and deployed to an AWS EC2 instance (behind an NGINX server acting as a reverse proxy).
- **Technologies Used:** Java, Websockets, Docker, React.js, Spring (Data, REST), NGINX

User Account System   **github.com/gordon-david/useraccounts**

- User account system that provides authentication capabilities using the JWT Bearer authentication scheme.
- The API exposes three resources aligning with three different levels of access roles: public, user, and admin.
- **Technologies Used:** Java, Spring (Data, Rest, Security), Vue.js, PostgreSQL, Docker

D&D Character Generator   **github.com/gordon-david/DndCharacterGenerator**

- A React.js web application aimed at automating tedious aspects of D&D character creation.
- I added a central Redux datastore to expose shared data to various frontend components.
- **Technologies Used**: React, Redux

TECHNICAL SKILLS AND INTERESTS

- Software Engineering, including Frontend and Backend development of stable, scalable web technologies.
- Continual self learner. I study new STEM topics and manage a personal wiki and hobby blog to document my studies.
- Seeking an active, project–based Software Engineering role that pushes my skill set as an engineer.
- **Current Languages**: Java, JavaScript/HTML/CSS, Typescript, Python, Bash, SQL
- **Other Tools**: Git, Linux, Docker/Podman, PostgreSQL, SQLite

EMPLOYMENT

Overnight Freight Handler   **Kohls**   **2017 - Present**

- Handle received freight, marking and stocking inventory, and other common retail duties.

Construction Laborer   **(Various Companies)**   **2013 - 2015**

- Assisted other trade members in implementing construction plans.