

BEN GUERICKE

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Education

Montana State University - Bozeman MT (August 2018 -- December 2021)

- Bachelor of Science in Computer Science, highest honors
- GPA: 3.75

Work Experience

Great Big Storm Inc.

Web development intern (May 2020 -- Present)

- Developed and maintained custom WordPress plugins
- Implemented website features based on client and designer requirements
- Maintained backend website updates (WordPress plugins, updates, and APIs)

Amphipod Inc.

IT, Logistics, and Warehouse support (March 2015 -- August 2018)

- Created a product locator application in Java that reduced the time to locate a product by ~5 minutes improving efficiency by 12.5 %
- Resolved computer and technological issues

Projects

Roommate Organizer (March 2022 -- Present) – React, AWS, GraphQL

- Built custom login components utilizing AWS Auth for authentication
- Designed backend that allowed users to create and join households
- Households could manage chores, bills, and keep track of fridge inventory

AI Sudoku Solver (August 2021 -- September 2021) – Python

- Implemented both a local search and backtracking algorithms
- The local search algorithms were worse than backtracking as they would often find a local optimum and not the global optimum.
- Backtracking with arc consistency performed about 40% better than with forward checking. Which performed about 60% better than simple backtracking

Budget Buddy (February 2020 -- April 2020) – React, Bootstrap

- Created a frontend where users could sign in, create/view budgets, and track spending

Remote Control Vehicle (January 2020 -- May 2020) – Swift, Arduino

- IOS app that allowed the user to connect their phone to the rover over Bluetooth and control its movements and auxiliary functions
- Utilized Smartsheet to organize an intradisciplinary team and track development

Skills

- Python, Java, SQL (SQLite), HTML/CSS, WordPress, React, PyCharm, WebStorm, IntelliJ, Visual Studio, GitHub, Adobe XD, Plesk, FTP, Object-Oriented Programming, Data Structures and Algorithms