Michael W Butler

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Education

Bachelor of Science in Computer Science   **May 2023**
Boise State University (Boise, ID)   GPA 3.81
Selected Courses of Major Interest:

Programming Languages	Web Development
Operating Systems	Algorithms
Software Engineering	Microprocessors

Bachelor of General Studies in Sciences / Minor in Geology   **May 2016**
University of Idaho (Moscow, ID)

Technical Skills and Certificates

Languages: Java, C, Python, JavaScript, HTML, CSS, SQL
Tools: Git, GitHub, VSCode, Eclipse, React, Gatsby, Cypress.js, Maven, MongoDB, MySQL, Docker
Full Stack Web Development Certificate - Coding Dojo Boise   January 2020

Projects

PivotPro – Python, Django, JavaScript, MaterializeCSS, Docker, Git, VSCode
A web application to monitor and manage water usage by collecting telemetry data from various sources, automating data collection through an API, and generating graphs, reports, and visualizations for efficient use of water resources for farms in eastern Idaho

Interpreter Project – Python, Git Bash, VSCode
Executes source code by translating it into machine-readable instructions and directly executing them, using scanner and recursive parser that builds a Context Free Grammar parse tree

Cards Against MadLibs – C#, JavaScript, CSS, HTML, SignalR, GitHub, Git Bash, VSCode
A combination of two popular games in which multiple clients are connected to one server through web sockets to play a timed round consisting of a voting feature and the number of wins for each player

Work Experience

HP Inc. (Boise, ID)   **May 2022 - May 2023**
Business Support Cyber Security Intern
- Participated in security analysis across verticals and support regulatory and industry security inquiry responses and other commercial deliverables as needed experience in Monday.com, Excel, VBA, Python, Microsoft Azure

OpSec Security (Meridian, ID)   **February 2021 - August 2021**
Anti-Piracy Analyst (Contract)
- Provided anti-piracy support by monitoring and enforcing live events on multiple social media platforms such as Facebook, Youtube, Twitter, Periscope, and VK, while documenting with in-house software tools

Perspecta (Meridian, ID)   **October 2020 - January 2021**
Enterprise Service Desk Specialist (Contracted through Disys)
- Provided IT support through phone and online channels using tools such as Keyfer, ServiceNow, and OneNote
- Obtained and maintained an interim secret clearance

Foundry Interactive (Seattle, WA)   **June 2020 - October 2020**
Software Engineer (Remote, Contract)
- Developed front-end user experience (UX), and usability (UI) for various web projects in JavaScript (Gatsby-Contentful-Netlify), Testing with Cypress.js and Lighthouse
- Emphasis on user experience (UX), usability (UI), and flow for high-traffic websites
- Documented code changes for clients in a pull request write-up form on GitHub

The Land Group Inc. (Eagle, ID)   **January 2017 - October 2019**
Land Surveyor
- Determined and map property boundaries, locations, and features using specialized tools and software.