Joseph P. **Burke**

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Profile

Recent graduate

Love to contribute to open source repositories and tech communities by sharing knowledge and experience. Always iterating to find the most optimal environment for a given task. Interested in devising better problem-solving methods for challenging tasks, and learning new technologies and tools. Big fan of rubber ducky debugging.

Education

Montana State University   *Bozeman, MT*
B.S. IN COMPUTER SCIENCE   *Aug. 2017 - Dec. 2022*
- GPA: **3.92**
- President's List 9 Semesters
- Dean's List Every Semester

Skills

Development

  Java, Python, Lua, C, C#, SQL, ActiveJDBC,

  git, LaTeX, XML, JSON, Kotlin(Minor), Maven(Minor)

RDBMS

  MySQL, SQLite3

Software

  IntelliJ IDEA + Suite, VSCode, Arduino IDE, AQT, Android Studio, MS Office 365, MS Excel, MS SharePoint, MS Teams, Slack, GitHub, GitHub Actions

Operating Systems

  Linux, Windows, MacOS, UNIX

Projects

BuffOverlay App   *Creator*
HTTPS://GITHUB.COM/CLICKETZ/BUFF-OVERLAY   *2018 - Present*
- An application for World of Warcraft that aims to solve various problems within the game's interface.
- Languages used: Lua and XML
- Leverages World of Warcraft API
- Utilizes a public ticketing system through GitHub Actions for continuous integration and continuous deployment while keeping users fully involved in the process
- 250k+ downloads
- Over 15,000 active users

Soil-Testing Robot Rover

Code/Electronics

HTTPS://GITHUB.COM/JOSEPHBUR/SOIL-ROVER

Dec. 2021

- A small, remote controllable robot rover designed to traverse various landscapes and take soil moisture and ambient temperature readings through a controllable sensor arm and send those readings back to a remote host
- Designed associated bluetooth controller interface app for Android
- Languages used: C++
- Utilizes Arduino and Android frameworks
- Worked alongside an interdisciplinary team of 5 to deliver final product

Chinook Web App

Code/Electronics

HTTPS://GITHUB.COM/JOSEPHBUR/CSCI-440-FALL2021-PRIVATE

Dec. 2021

- Class Project
- A small web application against an SQL store
- CRUD operations fully surfaced site-wide (Create, Read, Update, Delete)
- Languages used: SQLite3, Java, Javascript
- Use of Redis caching
- Full itegration of SQL and Java using ActiveJDBC ORM

Work Experience

Safeway Inc.

Bozeman, MT

GROCERY MANAGER

2014 - 2017

- Oversaw all grocery operations
- Managed multiple, individual teams
- Developed comprehensive tools leveraging excel and excel solver to properly balance workloads per team member per day
- In constant contact with various clients and vendors, creating positive solutions and strong collaborations