

Robby Horvath

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Experience

IBM Cloud

DevOps Engineer Intern

May 2022 – Aug. 2022

Durham, NC (Virtual)

Tech Stack: Go, Git/GitHub, and Docker.

Education

University of Pittsburgh

B.S. in Computer Science

Aug. 2020 – Exp. May 2023

GPA: 3.86/4.0

Relevant Coursework:

- Data Structures, Algorithms, Computer Networks, Operating Systems, Computer Graphics, Computer Vision, Systems Software, Computational Linguistics, Formal Methods in CS, Discrete Structures, Computer Organization, Analytical Geometry & Calculus 3, Linear Algebra, Physics 1, Physics 2, and Statistics.

Projects

New Music Discord Bot

<https://git.io/JLR4G>

- Discord bot that checks for new music from added artists daily at both midnight and noon.
- Created using Discord API, Discord.js, Firebase database, and Spotify API; hosted on Heroku.

TCP Implementation

Code available upon request

- Implemented a subset of the Transmission Control Protocol (TCP) in C.
- Includes concurrent packet timeouts to recover from packet loss.
- Can successfully communicate with any other functional TCP implementation.

Culture Vultures

<https://git.io/JUmpJ>

- Android Instagram clone targeted for a niche online subculture.
- Implemented features including: user sign-in, photo upload, and user search querying.
- Front-end built in Java and XML, backend in Java, and data hosted on Firebase.

Skills

Languages:

- C/C++, Go, Python, Java, Matlab, Shell (fish, Zsh, bash), JavaScript, Assembly (MIPS), Markdown, LaTeX, and HTML/CSS.

Technologies:

- GNU/Linux (Arch BTW), NeoVim, Git/GitHub, RegEx, GDB, APIs, Android Development, Visual Studio Code, Node.js, Notion