Robby Horvath

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Education

University of Pittsburgh   Aug. 2020 – Exp. May 2023
B.S. in Computer Science   GPA: 3.86/4.0

Relevant Coursework:
- Data Structures, Algorithms, Computer Networks, Operating Systems, Applied Crypto and Network Sec., Systems Software, Computer Vision, Computational Linguistics, Formal Methods in CS, Computer Organization, Calculus 3, Linear Algebra, Physics 1-2, and Stats.

Experience

IBM Cloud   May 2022 – Aug. 2022
DevOps Engineer Intern   Durham, NC (Virtual)

- Worked in an agile, collaborative environment to develop and configure systems and services.
- Launched quality code into production for a feature I implemented within the first 3 weeks.
- Worked with Open Source License scanning and improved configuration for New Relic performance monitoring tool for all my team's Node-based microservices.
- Automated a tedious manual task using Terraform to configure and deploy LogDNA setups to different microservices and all their service locations.

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   *Available upon request*
- Implemented a subset of the Transmission Control Protocol (TCP) in C.
- Includes concurrent packet timeouts to recover from packet loss.
- Successfully communicates with any other 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, JavaScript, Matlab, Shell (fish, Zsh, bash), Assembly (MIPS)
Technologies and Tools: GNU/Linux (Arch BTW), Docker, Terraform, NeoVim, Git/GitHub, RegEx, GDB, APIs, Visual Studio Code, Node.js, Notion