# Robby Horvath

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## Experience

**IBM Cloud**                                                      May 2022 – Aug. 2022
DevOps Engineer Intern                                        Durham, NC (Virtual)
**Technologies used:**
- Go, Git/GitHub, and Docker.

## 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, 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, JavaScript, Assembly (MIPS), and HTML/CSS.

**Technologies:**
- Git/GitHub, Shell, GNU/Linux, GDB, APIs, Vim (NeoVim), Android Development, Visual Studio Code, Node.js, Notion, Markdown, and LaTex (for math equations).