Robby Horvath

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Education

University of Pittsburgh   Aug. 2020 – Exp. May 2023
B.S. in Computer Science   GPA: 3.8/4.0

Relevant Coursework:
- Data Structures, Algorithms, Data Communication & Computer Networks, Operating Systems, Computer Vision, Systems Software, Computational Linguistics, Discrete Structures, Computer Organization, Analytical Geometry & Calculus 3, Linear Algebra, Physics 1, 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.

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.

Sand++   *https://git.io/JEytR*
- C++ physics sand simulator inspired by the video game Noita.
- My introduction to both C++ and the SDL 2.0 library.

InstaSaver-CLI   *https://git.io/JnoeQ*
- Python command line interface used to download an individual user's Instagram saved photos' directly from Instagram servers in full resolution and bulk.
- Utilizes Selenium webdriver for use with Firefox and Chrome based browsers.

Skills

Languages
- C/C++, Python, Java, JavaScript, Matlab, MIPS Assembly, XML, and HTML/CSS.

Technologies
- Git/GitHub, Shell, GNU/Linux, GDB, APIs, Vim (NeoVim), Full-Stack Android Development, Visual Studio Code, Node.js, Notion, Markdown, and LaTeX.

Activities

Member of Pitt Computer Science Club (Pitt CSC)
Pitt CSC Mentor to underclassmen