

Robby Horvath

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Education

University of Pittsburgh
B.S. in Computer Science

Aug. 2020 – Exp. May 2023
GPA: 3.8/4.0

Relevant Coursework:

- Data Structures and Algorithms, Computer Vision, Systems Software, Computational Linguistics, Discrete Mathematics, Computer Organization and Assembly Language, Analytical Geometry and 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

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

Technologies

- Git/GitHub, Shell, SDL 2.0, GNU/Linux, APIs, Vim (Neovim), Full-Stack Android Development, Node.js, Notion, Markdown, LaTeX, and Firebase.

Activities

Member of Pitt Computer Science Club (Pitt CSC)
Member of Panther ML
Member of Math in CS