

# Robby Horvath

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## Education

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### University of Pittsburgh

Aug. 2020 – Exp. May 2023

B.S. in Computer Science

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

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### 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, upload photos, and user search querying.
- Front-end is built in Java and XML and backend in Java with the data hosted on Firebase.

### Sand++

<https://git.io/JEytR>

- A 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.

## Work Experience

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**Warehouse Worker** at LT Verrastro in Old Forge, PA

May 2021 – Present

## Skills

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### Languages

- Java, JavaScript, Python, C/C++, Fish and Bash Shell, MIPS Assembly, XML, and HTML/CSS.

### Technologies

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