Julia Abdel-Monem

👤 she/her ✉ abde7751@vandals.uidaho.edu 📱 208-922-0316

 github.com/MusicalArtist12 🔗 Juliaviolet.dev 🏠 Pullman, WA 📻 KK7TTO

Education

College of Engineering *University of Idaho - Moscow, ID*　　　　　　　　Aug 2022 - May 2026

B.S. Computer Science *Music Minor*

GPA/Honors: 3.49/4.00, Deans List *(Fall 22, Spring 23, Fall 23)*

Relevant Coursework: *Data Structures, Advanced Computer Architecture, System Software, Operating Systems, Secure Coding and Analysis, Linear Algebra, Software Engineering, Calculus, Discrete Math*

IB Diploma Program *Renaissance High School - Meridian, ID*　　　　　　　Aug 2018 - May 2022

GPA: 3.29/4.00 - *IB Score: 31/45*

Achievements: *NAfME All-State 2020, NAfME All-Northwest 2021, 2022 Band President*

Skills

Programming Languages: C/C++, C#, Rust, Python, Typescript/Javascript, Assembly, HTML, CSS, LaTeX

Tools/Frameworks: Git/Github, Linux (CLI, Arch Linux), OpenGL, React/Next.JS, VS Code, Godot

Interests: Linux/OS Development, Low-level Programming, Graphics Programming, Web Development

Projects

Personal Website 🔗 　*React/Next.JS, Typescript, React-Spring, HTML/CSS*　　　　　　May 2023

- Developed a website to showcase my personal style and give myself a presence on the web
- Showcases my personal projects and provides various methods to contact me

Callsign Rolodex 🔗 　*Next.JS/React, Typescript, HTML/CSS*　　　　　　　　　　Jul 2024

- Collaborated with K9BRQ to develop and implement a major feature
- Used my HAM radio knowledge to add the ability to create repeater contacts

Operating System 　*Rust, x86-64 assembly*　　　　　　　　　　　　　　　　May 2024

- Developing a bare-metal operating system in Rust
- Minimizing the amount of external code to develop my problem-solving techniques

Work Experience

Cook @ Panda Express *Meridian & Moscow, ID*　　　　　　　　　　　　Nov 2021 - Present

- Worked in a fast paced environment, using clear and effective communication
- Collaborate with others to ensure that the kitchen is well maintained

Production Crew Member @ Lionel Hampton School of Music *Moscow, ID*　　Mar 2024 - Present

- As a team, we ensure the smooth operation of concerts held at the School of Music
- Used my technical abilities to work through difficulties and develop solutions