

Julia Abdel-Monem

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🌐 JuliaViolet.dev 🏠 [Moscow, ID](#) 📺 [KK7TTO](#)

Education

University of Idaho *Moscow, ID*

Aug 2022 - May 2026

B.S. Computer Science - Minor In Music Performance

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

Relevant Coursework: *Data Structures, Advanced Computer Architecture (Fall 2024), System Software, Operating Systems, Secure Coding and Analysis, Linear Algebra, Software Engineering*

Renaissance High School *Meridian, ID*

Aug 2018 - May 2022

International Baccalaureate Diploma Program; Total Points: 31/45

Certifications in Adobe Photoshop, Illustrator, and Indesign

MHS Marching Band, NAFME All-Northwest 2021 - Trumpet

Skills

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

Tools/Frameworks: Linux(CLI), OpenGL/GLFW/GLM, ImGui, React/Next.JS, VS Code, Adobe CC

Interests: Linux Development, Low-level/Assembly Programming and Graphics Programming

Projects

Personal Website 🌐 🌐 *React/Next.JS, Typescript, React-Spring, HTML/CSS*

May 2023 - Present

- 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

8 Bit Wordle 🌐 *ATmega328p Assembly*

Jun 2023 - Present

- Developing an arduino implementation of the game Wordle
- Designing a screen and input driver, as well as implementing game logic in assembly

Operating System 🌐 *Rust, x86-64 assembly*

May 2024 - Present

- Working through basic OS concepts and bare metal programming in Rust
- Final Goal: Get into a user space and run Linux-native executables

Work Experience

Cook @ Panda Express *Meridian & Moscow, ID*

Nov 2021 - Present

- Worked in a team environment, using clear and effective communication
- Memorized recipes, Minimizing waste while cooking, and Maximized quality

Shift Lead @ Gyro Shack *Meridian, ID*

Jun 2019 - Nov 2021

- Proposed methods for efficient workflows, many of which were implemented
- Focused on training others in their positions and led crews to ensure smooth operation