

Julia Abdel-Monem

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🌐 juliaviolet.dev 🏠 [Moscow, ID](#)

Education

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

Candidate for Bachelor of Science in Computer Science

GPA/Honors: 3.96/4.00, Deans List (All Semesters)

Relevant Coursework: *Introduction to C++, Data Structures, Computer Organization and Architecture, System Software (Fall 2023), Programming Languages (Fall 2023)*

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

International Baccalaureate Diploma Program; Total Points: 31/45

Certifications in Adobe Photoshop, Illustrator, and Indesign

Skills

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

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

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

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

2D Physics Emulator 🌐 *C++, OpenGL/GLFW/GLM/ImGui* Aug 2023 - Present

- Developing an application that emulates physics in a 2D environment
- Developing various detection methods to implement collision detection, movement, air pressure, and energy

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