

# Anthony Alperov

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## Summary

Software Engineering student with a strong foundation in C programming, C++, and digital design (Verilog/FPGA). Great experience in academic projects involving data structures, hardware logic, and memory management. Seeking an internship to apply problem-solving, programming, and teamwork skills in a professional engineering environment

## Education

Washington State University – Pullman, WA B.S. Computer Engineering, Expected May 2028 Relevant Coursework: C Programming, C++, Digital Circuit Design, Discrete Structures, Calculus I & II  
Green River College – Auburn, WA Associate of Arts, June 2024

## Technical Projects

- **Poker Game (C)** – Built a 5-card draw poker game with hand evaluation functions (pairs, flush, full house). Designed modular code with ``c`/`.h`` separation and debugging focus.
- **Battleship Game (C)** – Developed a 2-player Battleship game using 2D arrays and structs. Added file I/O for saving/loading games and randomized ship placement.
- **Reaction Time Monitor (Verilog, FPGA)** – Created an FPGA-based reaction timer with random delay generation, a millisecond counter, and a seven-segment display system.
- **8-Bit ALU (Verilog, FPGA)** – Designed an ALU supporting arithmetic and logical operations, using a modular Verilog design with display output.
- **Text-Based RPG (C, in progress)** – Developing an RPG with structured character data, game loop, and dynamic memory allocation. \

## Work Experience

**Brown Bear Car Wash** – Auburn, WA Crew Member | 2023 – 2025

- Assisted customers with memberships, refunds, and technical issues.
- Safely handled vehicles and performed light equipment troubleshooting.
- Strengthened communication and problem-solving in a fast-paced environment.

**McDonald's** – Auburn, WA Crew Member | Dec 2022 – Aug 2023

- Delivered fast, accurate customer service in high-volume settings.
- Operated the POS system and supported food preparation.
- Maintained safety, cleanliness, and reliability under pressure.

## Skills

**Programming and Tools:** C (strong), C++ (intermediate), Verilog (academic), Git (basic), Microsoft Office

**Concepts:** Data Structures, Memory Management, File I/O, Digital Logic Design

**Languages:** English, Russian (bilingual) **Interpersonal:** Teamwork, leadership, customer service