

# Alina Zimavaya

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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## EDUCATION

**B.S., Computer Science; Minor in Religion**  
High Point University  
GPA 3.53

**May 2026**  
High Point, NC

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## PROFESSIONAL SUMMARY

Computer Science student with hands-on experience in systems programming, software engineering projects, and security labs. Strong foundation in C++, databases, operating systems, and web development. Experienced in debugging, testing, and collaborative development in academic Agile-style environments. Seeking entry-level Software Engineering or Quality Assurance opportunities.

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## TECHNICAL SKILLS

**Languages:** C++, Python, JavaScript, PHP, SQL

**Web:** HTML, CSS, React, Bootstrap

**Databases:** MySQL, MariaDB

**Systems & Tools:** Linux, Git, GitHub, Docker, VS Code

**Concepts:** Data Structures & Algorithms, Object-Oriented Programming, Multithreading, Database Design, Operating Systems, Software Testing Fundamentals

**Languages (Spoken):** English (Fluent), Russian (Native), Spanish (Elementary)

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## TECHNICAL PROJECTS

### Flight Scheduling Simulation System (In Progress)

*Software Engineering Project*

- Contributed to development of a flight scheduling system modeling operations across 31 airports
- Helped design relational database schema for flights, passengers, aircraft, and airports
- Implemented backend logic to simulate operational constraints (turnaround times, delays, cancellations)
- Participated in system testing and validation of disruption scenarios
- Collaborated in a team environment with defined roles and version control using Git

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### Compiler Project (C++)

*Programming Language Design Course*

- Implemented components of a compiler including scanner and parser functionality
- Worked with symbol tables and semantic analysis concepts
- Debugged memory-related issues using Linux tools and GDB
- Strengthened understanding of parsing, data structures, and translation processes

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### Systems Security Labs

- Analyzed vulnerable C programs to understand buffer overflow behavior
- Used GDB to debug memory errors
- Practiced identifying XSS and SQL injection vulnerabilities

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### Personal Portfolio Website

- Designed and deployed responsive website using HTML, CSS, JavaScript, and GitHub Pages

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## EXPERIENCE

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### Student Instructor Leader

High Point University | Aug 2024 – May 2025

- Led weekly programming lab sessions for first-year students in C++
- Assisted students with debugging and understanding programming fundamentals
- Reinforced Linux command-line usage and problem-solving strategies

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### Undergraduate Research Assistant

High Point University | Jun 2024 – Jul 2024

- Collected and analyzed dendrochronological data for environmental research
- Interpreted data patterns to support fire history reconstruction
- Collaborated with faculty and peers in structured research environment

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### Team Head Manager – Division I Baseball

High Point University | Aug 2022 – Present

- Coordinated daily operational logistics for Division I baseball program
- Managed game-day preparation, equipment setup, and workflow organization
- Compiled statistical reports and analyzed opponent data to assist coaching staff
- Supervised and organized team of student managers

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### Resident Assistant

High Point University | Aug 2025 – Present

- Support and mentor residential community of students
- Facilitate events and promote engagement
- Assist in conflict resolution and policy enforcement

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## ADDITIONAL EXPERIENCE

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Barista – Starbucks

Server Assistant – 1924 Prime

Summer Activities Assistant – Office of Student Life

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## INVOLVEMENT

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COED Intramural Flag Football

COED Intramural Beach Volleyball

Habitat for Humanity