# Abigail Holdcraft

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## EDUCATION

**University of South Carolina**, Honors College, College of Engineering and Computing — Columbia, SC
Bachelor of Science in Computer Science — Aug 2023-Exp. May 2027
Cumulative GPA: **4.0**
President's List (Fall 2023-Current), Academic Excellence Scholar (Fall 2023-Current)

## PROJECT EXPERIENCE

**Design Patterns**, Java — Jan 2025-Current
- https://github.com/keySmash13/designpatterns
- Designing Java projects with various design patterns such as observer, state, singleton, and decorator.
- Developing an efficient and readable coding style, including use of Javadoc.

**Miscellaneous**, C++, MIPS, Java — Jan 2025-Current
- https://github.com/keySmash13/Miscellaneous
- base_to_decimal_converter: Given user inputs, converts numbers of base 2-9 into base 10 and tracks the largest value.
- FizzBuzz: Outputs a string of specified size following the rules of the children's game FizzBuzz.

**Logisim Projects**, Logisim — Dec 2024
- https://github.com/keySmash13/Logisim-Projects
- Designed projects in Logisim using 7-segment displays, flip-flops, and more.
- Includes projects such as a hexadecimal counter and a 4-bit adder.

## WORK EXPERIENCE

**University of South Carolina**, Outdoor Recreation — Columbia, SC
Climbing Wall Assistant, Certified AMGA Climbing Wall Instructor — Aug 2024-Current
- Ensure climber safety through monitoring climbers and maintaining equipment.
- Foster a climbing community on campus by setting routes, instructing beginners, and promoting holistic health.

**Target**, Food and Beverage — Lebanon, OH
Starbucks Barista — May 2024-Aug 2024
- Prepared and served coffee, espresso drinks, and teas while maintaining a safe and sanitized working space.
- Built strong relationships with regulars and new customers by providing friendly, personalized service.

**Ursuline Academy**, Service Projects — Cincinnati, OH
Project PAWS Co-Leader — Aug 2021-May 2023
- Oversaw the creation of toys and blankets for donation to local animal shelters.
- Organized materials, reserved meeting spaces, and promoted volunteer events to fellow students.

## EXTRACURRICULAR ACITIVITIES

- **Individuals Respecting Identities and Sexualities**, Member, Layout Manager — Aug 2023-Current
- **University of South Carolina Climbing Wall**, Regular Attendee — Jan 2024-Current
- **Habitat for Humanity**, Volunteer — Aug 2024-Current

## SKILLS

**Languages:** Java | C++ | MIPS | R | HTML
**Operating Systems:** Windows | Linux
**IDEs**: VS | VSCode | Eclipse
**Applications & Tools:** MS Office 365 | Logisim | PuTTY | MATLAB
**Soft:** Quick Learning | Teamwork | Communication | Flexibility
**Spanish:** Moderate proficiency | AP Spanish Seal of Biliteracy

## RELEVANT COURSEWORK

Advanced Programming Techniques
Software Engineering
UNIX/Linux Fundamentals
Introduction to Computer Architecture
Digital Logic Design
Vector Calculus