

Alyssa Signorelli

(724)732-1916 | ags180@pitt.edu | github.com/asignorelli | [linkedin.com/in/alyssa-signorelli](https://www.linkedin.com/in/alyssa-signorelli)

EDUCATION

UNIVERSITY OF PITTSBURGH

BS: Computer Science

PITTSBURGH, PA

Expected Graduation: Apr 2027

- **GPA:** 3.89/4.0
- **Relevant Coursework:** Algorithms and Data Structures, Discrete Structures, Systems Software, Computer Organization, Operating Systems, Web Development, Statistics
- **Organizations:** Women in Computer Science, Computer Science Club

WASHINGTON & JEFFERSON COLLEGE

BS: Computing & Information Studies

WASHINGTON, PA

Aug 2023 – May 2024

- **GPA:** 4.0/4.0
- **Relevant Coursework:** Artificial Intelligence, Database Concepts, Electronics, Tinkering with Technology, Calculus
- **Organizations:** Technology Club

PROJECTS

Color Quantization Tool

Java

- Implemented two image compression algorithms: uniform bucketing and k-means clustering with squared Euclidean and circular hue distance metrics
- Optimized bitmap image processing pipeline to reduce color space while preserving visual quality, showcasing skills in algorithms, data structures, and image processing

Ultimate Discord Championship Website

HTML 5, CSS, JavaScript

- Built and deployed a multi-page website with custom styling to mimic the popular UFC sport website using HTML, CSS, and JavaScript
- Designed responsive layouts, integrated custom fonts and graphics, and organized site navigation to provide an engaging user experience on desktop and mobile devices

Virtual Pet Step Counter App (Currently in Progress)

React Native, Expo

- Currently developing a cross-platform fitness app with Expo and React Native that rewards daily step goals by leveling up a virtual pet, driving engagement through streaks and in-app challenges
- Implementing real-time step tracking using Expo Sensors/Pedometer and persisted progress with AsyncStorage, added push reminders via Expo Notifications to boost adherence

Girls Who Code Personal Website

HTML 5, CSS, JavaScript

- Built a personal website as part of Girls Who Code, gaining hands-on experience with HTML, CSS, JavaScript and web design principles while providing community to other women in tech

WORK EXPERIENCE

ALDI

Store Associate

WASHINGTON, PA

Dec 2023 – Apr 2025

- Delivered fast, accurate service in a fast-paced retail environment, balancing efficiency with customer satisfaction and high-quality customer service
- Adapted quickly to new processes and technologies such as POS systems and inventory tools, demonstrating ability to learn technical systems under time pressure

Office Depot

Store Associate

WASHINGTON, PA

Nov 2022 – Nov 2023

- Assisted customers with troubleshooting and repairing customer tech (PCs, printers, networking devices), improving technical problem-solving and diagnostic skills
- Supported technology sales by explaining hardware and software solutions in clear, accessible terms to non-technical users

SKILLS

Languages: Java, C, C++, JavaScript, Python, SQL, R, HTML5, CSS, XML, Git

Libraries/Frameworks: React Native, pandas, NumPy, PyTorch, Docker, Agile, Appian, Linux

Developer Tools: GitHub, VS Code, Eclipse

Other: Windows, MacOS, Microsoft 365