

# Alyssa Lukas

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## SUMMARY

Senior computer science student at Arizona State University (4.0 GPA) with a strong academic foundation in mathematics and experience in Python, C++, JavaScript, and R. Passionate about artificial intelligence, software engineering, and data analysis. Seeking an opportunity to apply technical and analytical skills in a hands-on environment and contribute to impactful real-world projects.

## EDUCATION

**B.S., Computer Science;** Statistics Minor Graduating May 2026  
Arizona State University, Tempe, AZ 4.00 GPA  
Relevant Coursework: Data Structures & Algorithms, Linear Algebra, Discrete Mathematical Structures, Cybersecurity, Theoretical Computer Science, Computer Networks, Data Science, Machine Learning

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, Java, JavaScript, R, SQL, HTML/CSS  
**Development Tools:** GitHub, Visual Studio Code, Eclipse, RStudio, Jupyter Notebook  
**Libraries/Frameworks:** NumPy, pandas, scikit-learn, Plotly, PyTorch  
**Operating Systems:** Linux, Windows, macOS  
**Modeling Tools:** MATLAB, Microsoft Office (Word, Excel, PowerPoint)

## ACADEMIC PROJECTS

**Automated Record System for Pediatric Office** Spring 2024

- Designed and implemented a software system to automate patient records and office tasks using JavaFX in a 5-member Agile team
- Utilized GitHub for version control and JIRA for project management and scheduling

**Autonomous Car Prototype for Handicapped People** Fall 2022

- Programmed the car's autonomous navigation system using MATLAB
- Constructed the physical prototype using a LEGO Mindstorms kit
- Performed diligent testing to enable the robot to complete a complex maze, achieving 100% success rate in the final demo

**Data Analysis on Mount Everest Expeditions** Spring 2025

- Analyzed large dataset on expedition records to find trends in summit successes, climber stats, etc
- Created 3D interactive visualizations of relationships and patterns found using R (dplyr, ggplot2, tidyr) and published final report on RPub: <https://rpubs.com/aalukas26/1291259>

## WORK EXPERIENCE

**TJ Maxx, Puyallup, WA: Sales Associate (12-20 hours/week)** Summer 2023 & Summer 2024

- Developed strong communication, time management, and teamwork skills by assisting customers and collaborating with coworkers
- Provided customer support and managed inventory and stock in a fast-paced work environment

## VOLUNTEER EXPERIENCE

**Math Center, Puyallup High School, Puyallup, WA: Tutor (4-8 hours/week)** Jan 2022 – May 2022

- Worked closely with high school students in various math subjects including calculus, statistics, algebra, and geometry
- Tutored in both small group and individual settings