

Scarlett Patton

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EDUCATION

Washington University in St. Louis

B.S. in Computer Science

St. Louis, MO

Expected May 2026

Coursework: Data Structures and Algorithms, Systems Software, Rapid Prototype Development and Creative Programming, Object-Oriented Software Development Laboratory, Computer Security, Computer Engineering, Logic and Discrete Math, Statistics for Data Science, Matrix Algebra

Activities: Engineering Council, China Care (Chinese adoptee youth mentor), Rock Climbing Club, Run Club

Honors: Danforth Scholars Program (1 of 14 selected out of 8,000 applicants to receive scholarship based on leadership in service and intellectual and creative acuity), RSAC Security Scholar (1 of 2 selected to represent WashU), Dean's List

SKILLS & AWARDS

Programming Languages: Java, C++, C, React, Python, Arduino, HTML, CSS, JavaScript, Next.js, SQL, Swift, PHP

Skills: Ubuntu, Git, Microsoft 365, Atlassian, Google Suite, Windows, Docker, RHEL, AWS EC2, MongoDB, MacOS

Awards: A+ Certification, NCWIT Aspirations in Computing Regional Winner, FIRST Robotics Dean's List Semi-Finalist

EXPERIENCE

Software Engineer Intern

May 2024 – August 2024

Leidos

Arlington, VA

- Supported federal maritime contracts working on autonomous sUSVs in an agile environment, obtained Secret Security Clearance
- Assisted in designing and implementing software for autonomous navigation, incorporating sensor integration, obstacle detection, and route planning
- Integrated remote control stations into existing software baselines, enabling seamless command and control over multiple USVs from centralized locations
- Conducted testing and debugging of software modules in simulated and real-world maritime scenarios, ensuring robustness and performance under various conditions

Teaching Assistant

January 2023 – Present

Washington University in St. Louis

St. Louis, MO

- Assisted professors in Introduction to Computer Science, Computer Engineering, Rapid Prototype Development and Creative Programming, and Systems Software
- Trained 40+ students annually, tutored students individually who were struggling, held weekly office hours for 100+ students
- Assessed student progress with course material using fair and equitable grading policies

Instructor Assistant

March 2022 – May 2024

Code with Klossy

Dallas, TX; Washington, D.C.

- Taught data science curriculum to 30 young women and non-binary scholars in 2 weeks
- Utilized SQL, Python, Tableau, and Google Data Studio to visualize data sets
- Reviewed daily feedback from scholars and made adjustments to camp environment and culture

EXTRACURRICULAR ACTIVITIES

Engineering Council

April 2023 – Present

Vice President of Operations, Academic Affairs Chair

St. Louis, MO

- Assisted president during meetings, wrote meeting notes during general body meetings and executive board meetings
- Sent out email blasts to the engineering student body regarding meetings and events
- Developed and implemented orientation program for incoming students in the McKelvey School of Engineering

Scarlett & Co

March 2020 – Present

Small Business Founder

St. Louis, MO

- Awarded Etsy Star Seller for exemplary performance in shipping, response rate, and reviews for 6+ months
- Donated 20% of profit to nonprofit organizations
- Curated social media presence and learned how to advertise online