

# Lauren Morgenthaler

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## Education:

2025 – 2026	<b>Westminster University</b> <b>B.S., Computer Science with minor in Mathematics (GPA 4.0)</b> Relevant coursework includes: Artificial Intelligence, Software Engineering, Operating Systems, Compilers, Machine Learning
2022 – 2023	<b>Professional Certifications:</b> CompTIA Security+, CompTIA A+
2018 – 2021	<b>Carnegie Mellon University</b> <b>B.S., Computer Science</b> Relevant coursework includes: Introduction to Computer Systems, Great Theoretical Ideas of Computer Science, Principles of Imperative Programming

## Experience:

06/2025 – Present	<b>Data Engineer/Software Engineer</b> <b>Zartico</b> Salt Lake City, UT <ul style="list-style-type: none"><li>Designed and implemented scalable ETL pipelines for processing and monitoring high-volume web analytics data using GCS, BigQuery, and Airflow. Built orchestration workflows integrating APIs to automate data validation, enrichment, and delivery reporting across distributed systems.</li><li>Architected and built microservices delivering geospatial APIs that integrate client data from GeoServer into frontend applications.</li></ul>
06/2019 – 08/2019	<b>Software Engineering Intern</b> <b>Intelligence, Surveillance and Reconnaissance Department, Naval Information Warfare Center Pacific, Secret Clearance</b> San Diego, CA <ul style="list-style-type: none"><li>Designed and implemented knowledge graph for Making Kennedy Real (MKR) Project, an Ambient Intelligence Speech Interface proprietary to the Navy. Capabilities included real-time metadata querying entities retrieved using NLP.</li></ul>
06/2017 – 08/2017	<b>Software Engineering Intern,</b> <b>Department of Defense Analysis, U.S. Naval Postgraduate School</b> Monterey, CA <ul style="list-style-type: none"><li>Lead programmer for Global ECCO (Education Community Collaboration Online) intern group. Ported games from their online portal to an iOS application with authentication and network capabilities.</li></ul> <b>Research Intern,</b> <b>Space Systems Engineering Group, U.S. Naval Postgraduate School</b> Monterey, CA <ul style="list-style-type: none"><li>First Place Award in the Mouser International Space Station Design Challenge. Developed model of Femto Satellites with Intel Quark board connected to Iridium SBD Network to transmit satellite data such as cosmic radiation to devices on Earth.</li></ul>

## Technical Skills:

- Languages:** Python, Java, C, C++, Swift
- WebDev:** Angular, React, HTML/CSS, JavaScript, TypeScript
- OS:** MacOS, Linux, Windows
- Misc:** GCP, AWS, Docker, Git, PyTorch, GraphQL

## Leadership & Service:

- Professional Ski Coach**, Wasatch Junior Freestyle Team (2022-Present)
- Mathematics/Computer Science Tutor**, Discrete Math and Intro to CS (Present)
- Founder and Instructor**, Girls Who Code Club, Monterey Bay Chapter (2017)