

Nathan Crane

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Software Engineering

At CSU I've had the privilege to be a part of an agile development team in a simulated work environment, navigating through complex team dynamics and unfamiliar industry processes. I've strived to grow as a communicator, leader, and programmer, absorbing as much information as I can. With the help of a team or mentor, I am excited to translate these skills to industry and become the best software engineer I can be.

Education

Colorado State University, Fort Collins, CO

December, 2025

BS, Computer Science ~ Software Engineering Concentration

Minor, Business Administration

Green Mountain High School, Lakewood, CO

May, 2021

High School Diploma

3.9 GPA & 1310 SAT

Technical Proficiencies

- **Backend Languages:** Java, C++, Python, Kotlin, and MySQL.
 - **Frontend Languages:** HTML, CSS, PHP, JS, and XML.
 - **Development Processes:** Version control (Github), Agile management (Zenhub), Integration Testing (Postman), Unit testing (JUnit), and Solution quality control (Code Climate).
 - **Miscellaneous:** Slack, MS Teams, Excel, Linux, and Windows.
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Relevant Coursework

Software Engineering,

Spring Semester 2024

- Contributed to the backend of a map based application in a five person agile team.
- Created and reviewed over 70 pull requests.
- Wrote over 30 unit and integration tests.

Web Application Development,

Spring Semester 2024

- Created 10 different websites using a multitude of tools.
- Intertwined front end applications with databases.

Project Management,

Spring Semester 2023

- Developed an android app written in Kotlin and XML.
 - Managed and directed a 7 person team over 5 months.
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Work Experience

Brooks Brothers, Lakewood, CO

May, 2022 – Present

Sales Associate

- Engaged with the needs of hundreds of customers.
- Delivered over \$30,000 in sales.

Special Needs Care, Lakewood, CO

August 2015 – August 2021

Caretaker

- Caretaker for a low functioning child with Autism Spectrum disorder.
- Accompanied and aided child in speech and occupational therapy.