Nathan Crane

Software Engineering Intern

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Education

Colorado State University, Fort Collins, CO   December, 2025
BS, Computer Science ~ Software Engineering Concentration
Minor, Business Administration

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.

Relevant Coursework

Software Engineering,   Spring 2024

- Navigated complex team dynamics through empathy, communication, and conflict resolution.
- Developed new skills while providing consistent results in an agile environment.
- Utilized modern software engineering practices to contribute to the backend and database of a map based application.
- Created and reviewed over 80 pull requests
- Wrote over 40 unit and integration tests.

Web Application Development,   Spring 2024

- Created 10 different websites using modern web development tools.
- Intertwined front end applications with databases.
- Practiced following accessibility guidelines
- Exercised creativity to create aesthetically pleasing websites.

Project Management,   Spring 2023

- Managed a 7 person team to create an app in Kotlin in the duration of a semester.
- Wrote reports for model shareholders, using survey information, Gantt charts, and other forms.
- Developed and adjusted schedules to keep our team's progress in line with expectations.

Work Experience

Brooks Brothers, Lakewood, CO   May, 2022 – Present
Sales Associate

- Displayed compassion and understanding to ensure customer satisfaction.
- Interpreted customer specifications to sell over $40,000 in merchandise.
- Integrated into a team in a professional environment.

Special Needs Care, Lakewood, CO   August 2017 – August 2021
Caretaker

- Cultivated communication and motor skills through observation, patience, and empathy.