# Oliver Ramirez

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## EDUCATION

**Colorado College**, Colorado Springs, CO December 2025

*Bachelor of Arts,* Major: Computer Science, Minor: Statistics

- **GPA: 3.89**
- **Euclid Scholarship recipient** for outstanding performance in mathematics and computer science
- ***Relevant Coursework***: Software Design, Computer Organization, Natural Language Processing, Optimization and Deep Learning, Team Software Project, Statistical Methods, Linear Algebra, Calc. 3, DSA, Discrete Mathematics

## SKILLS

**Programming Languages:** C, Java, Python, R, SQL, HTML, CSS, ReactJS, Salesforce LWC, Apex

**Technical / Computer Skills:** Git, GitHub, Atlassian tools, Eclipse, Linux, MacOS, Eclipse, VSCode, JupyterLab

## RELEVANT EXPERIENCE

**Charles Schwab,** Denver, Colorado June - August 2025

*Software Engineer Intern*

- Contributed to the Investor Services Platform as part of the Sales, Service, and Marketing Technology team.
- Implemented several new features in custom applications on the Salesforce CRM using JS, LWC, and Apex.
- Led a multi-team design meeting to coordinate dependencies for effectively implementing a new feature.
- Presented in the Business Challenge Summit, outlining solutions to leverage educational offerings towards a younger investing audience.

**Aquincum Institute of Technology,** Budapest, Hungary January - May 2025

*AI Software Engineering Student Researcher*

- Collaborated with researchers at the Budapest University of Technology and Economics (BME) to perform a literature review and identify a research gap that could be addressed in a semester-long research project.
- Critically evaluated the relationship between the ability of LLM powered software engineering agents and their ability to solve GitHub issues.
- First author of a research paper accepted to the AACS conference at BME and Aperture, Colorado College's undergraduate research journal.

**Jacobs Technology,** Colorado Springs, Colorado May - August 2024

*Software Engineer Intern*

- Collaborated on the Communication Processing Systems Team, contributing to design and architecture meetings. and implementing new features in Java and C.
- Updated over 800 JUnit tests, ensuring proper packaging and delivery of satellite data and information to downstream teams.
- Obtained DoD Secret Security Clearance and passed the CompTIA Security+ exam after 8 days of preparation.

**Computer Science and Mathematics Student Grader,** Colorado Springs, Colorado April 2024 - Present

- Completed extensive training for grading responsibilities, beginning formal grading duties in October 2024.
- Prepared to support academic integrity and provide constructive feedback to students in Computer Science courses including CP116: Applied Python and CP307: Data Structures and Algorithms

## PROJECTS

- **Machine Learning with Spotify API:** *Fit Linear Regression, K nearest neighbor, Ridge, and LASSO regression models to 1200+ tracks from Spotify API. Identified largest indicators of song popularity.*
- **Osu Game Clone:** *Used Java to create a clone of the rhythm game Osu. Read downloadable files to play music and display clickable objects on the screen that align with the rhythm of the music. Used SQL for leaderboards.*
- **Down Ballot Visualization Tool:** *Worked alongside fellow students at Colorado College to create a visualization tool for down ballot races in partnership with the Denver Post. Designed Database schema and integrated it with d3.js visuals.*

## LEADERSHIP & INVOLVEMENT

- **CC Men's NCAA Soccer -** Captain, SCAC Academic All Conference, Student Athlete Advisory Committee
- **Colorado College Coding Club -** Member, Hosted a session on front end frameworks