

# Clement Canel

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## EXECUTIVE SUMMARY

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Highly motivated and results-driven computer science student with expertise in full-stack development and data science, seeking an internship to apply my skills in innovative software solutions.

## EDUCATION

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### University of Colorado Boulder

- B.S. in Computer Science & Engineering Management, 2023 – Spring 2026 (Expected)

### Stanford University

- Statistics for AI, Machine Learning & Data Science, Summer 2024

### Loyola Marymount University

- B.S. in Computer Science, 2021 – 2023

**Relevant Coursework:** Algorithms & Analysis | Computer Systems | Data Structures | Data Science | Database Systems | Machine Learning | Artificial Intelligence | Linear Algebra | Object-Oriented Design | Principles of Programming Languages | Software Development Methods & Tools | Web & Mobile Application | Calculus I & II

## PROJECTS

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### Web-based Expense Tracker

June 2024

- Created a data-driven expense tracker using React.js, Django REST Framework, and PostgreSQL, integrating Chart.js for financial data visualization to support user budgeting and expense analysis.

### Neighborhood-Marketplace Website

November 2023

- Developed a full-stack neighborhood exchange platform with SQL and Google Maps API for geolocation, enabling efficient user connections and transactions.

### Befake SwiftUI Social Media App

April 2023

- Developed an engaging SwiftUI mobile app, backed by Firebase and Viber REST API, enabling Loyola students to compete and create authentic, interactive social media posts.

## EXPERIENCE

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### Simulating Recommender System Architectures

Boulder, Colorado

*Apprenticeship*

Fall 2024 – Present

- Simulated decoupled recommender system architectures in Python, optimizing multi-stakeholder interactions, algorithm efficiency, and utility outcomes in alternative machine learning-driven ecosystem designs.
- Implemented threshold-based choice models, improving utility distribution and data-driven decision-making processes.

### Coursera: Automating Course Readiness and Monitoring

Boulder, Colorado

*Developer*

Fall 2024 – Present

- Developed an automated Python tool to extract and validate Coursera course data, identifying issues like broken links.
- Integrated Coursera API and UI to automate content checks, reducing manual effort and improving process efficiency.

### Archer Hotel

Redmond, Washington

*Server*

May 2022 – August 2023

- Optimized guest satisfaction and revenue by recommending tailored dining and event options.
- Delivered high-quality service in a fast-paced, fine dining environment for lunch, dinner, and private events.

## SKILLS

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**Programming Languages:** Python, Ruby, SQL, Java, C++, JavaScript

**Frameworks & Tools:** React, Ruby on Rails, Node.js, Django REST, Docker, Kubernetes

**Database Management:** PostgreSQL, MySQL

**Concepts:** Machine Learning, Data Pipelines, Scalable Systems, Cloud-Native Applications

**Soft Skills:** Communication, Problem-Solving, Collaboration, Time Management

**Version Control:** Git, GitHub