Carlos Garcia

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Education

University of Colorado Boulder | BS Computer Science | GPA: 3.54 | Aug 2022 – May 2026

Experience

Software Development Engineer In Test (SDET) - Intern

Allegion, Golden, CO | May 2025 - Sept 2025

- Expanded Cypress test coverage 142% for Zentra access control platform using Java and JavaScript with AWS cloud infrastructure, implementing comprehensive test automation solutions
- Utilized GitLab for version control, managing code repositories, merge requests, and CI/CD pipeline configurations for automated testing and deployments
- Contributed to load testing strategy in preparation for 900% increase in lock usage, analyzing performance metrics and system scalability
- Participated in full SDLC with agile ceremonies including sprint planning and story refinement

BPMN Developer

Fidelity Investments, Westlake, TX | Oct 2022 – Nov 2024

- Developed automated integration solutions connecting client-specific REST APIs with internal platform using Groovy, Java, and JavaScript, processing JSON data formats to reduce manual effort in crypto movement processes
- Migrated 9 large-scale automated processes prior to legacy platform decommissioning, saving annual licensing fee costs and future manpower requirements
- Enhanced Jenkins CI/CD pipeline efficiency through migration to multi-core architecture
- Maintained and updated QA testing scripts to ensure compatibility with product releases
- Provided on-call production support debugging Datadog JSON logging and metrics to troubleshoot production issues

Projects

RecipEasy - Recipe Application

- Developed full-stack recipe management application using Python's Flask framework with Jinja2 templating engine for dynamic HTML generation and JavaScript for frontend interactivity
- Implemented template-based configuration system using Jinja2 to generate reusable recipe display modules, demonstrating practical application of templating for code reusability

AI News Classifier

- Developed an AI news classifier by training Google's BERT model and using Python and its NumPy and Pandas frameworks for automated news categorization
- Implemented data processing pipelines in Python for feature extraction and model training

Skills

- **Programming Languages:** Python (Flask, Jinja2), JavaScript, C++ (QT Creator)
- **Tools:** Version control with Git and GitLab, CI/CD pipelines (Jenkins), Docker, AWS cloud services
- **Collaboration & Methodologies:** Agile/Scrum frameworks, SDLC participation