

Leslie Cruz Hernandez

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EDUCATION

Georgia State University — Expected Graduation: 2028
Bachelor of Science in Computer Science — Atlanta, GA

Calhoun High School — August 2019 - May 2023
Honors Graduate • Career Pathways: Web Development, Game Design(Unity), IT, Film
Award: AP Computer Science Principles Outstanding Student

Kode With Klossy — certificates: 2020, 2021, 2022
Completed specialized tracks in Web Development, Data Science, and Mobile App Development

TECHNICAL SKILLS

Languages: Python, Java, C#, JavaScript, HTML, CSS, SQL, Swift (basic)

Tools & Frameworks: Git, GitHub, Visual Studio Code, Xcode, Linux (Pop!_OS), Command Line, Flask, FastAPI, React, etc.

Core Concepts: Object-Oriented Programming, Introductory Data Structures & Algorithms, Debugging

Databases: SQLite, PostgreSQL

Web & Design: Responsive Design, UI/UX Fundamentals, Wireframing

EXPERIENCE

Research Assistant

Georgia State University — Atlanta, GA | Fall 2023

- Conducted behavioral language coding for research on parole board interviews.
- Processed genomic data including DNA sample collection, organization, and tracking.
- Integrated behavioral and genetic datasets to support correlation-based analysis.
- Applied introductory programming and data management techniques to automate portions of analysis workflows.
- Collaborated with a multidisciplinary team combining behavioral science, data science, and research methodology.

Instructor Assistant

Kode With Klossy — Virtual | Spring - Summer 2023

- Assisted teaching teams in delivering coding curriculum in web development and data science.
- Provided hands-on support in HTML, CSS, JavaScript, and Python activities.
- Led small-group instruction, debugging sessions, and project development check-ins.
- Responded to student questions, clarified technical concepts, and ensured progress equality.
- Helped maintain a collaborative, inclusive learning environment across two-week intensive programs.

PROJECTS

Personal Portfolio Website - **Github, HTML & CSS, JavaScript**

- Designed and coded responsive multi-page websites using HTML, CSS, and JavaScript. Added interactive elements such as navigation components, forms, animations, and UI behaviors.

Workflow Management System - **Python, SQLite**

- Designed a modular command-line application using Python with a layered architecture separating CLI, business logic, and data access
- Implemented full CRUD operations with persistent storage using SQLite, including normalized relational schemas and many-to-many relationships
- Built a robust CLI interface with argument parsing, input validation, and filtering/sorting capabilities
- Wrote automated tests to validate database interactions and core workflows

Secure Task API — **Flask, SQLAlchemy, JWT, SQLite**

- Designed and implemented a secure REST API using FastAPI with JWT-based authentication and user-isolated task access.
- Modeled relational data using SQLAlchemy, enforcing ownership constraints and cascading deletes for data integrity.
- Built modular API layers (routers, services, schemas) to support maintainability and scalability.

Knowledge Management System — **Python, SQLite**

- Designed a backend-focused system for creating and organizing structured notes using relational data models and many-to-many relationships. Implemented search and tag-based filtering to efficiently retrieve information.

File Processing & Validation Engine — **Python, JSON, CSV, argparse, pytest**

- Designed a modular engine to ingest CSV and JSON files and validate records against schema-defined rules
- Implemented schema-driven validation with structured error reporting and row-level context
- Built a CLI interface for batch validation and report generation
- Wrote automated tests to verify validation logic and pipeline behavior