

# Leslie Cruz Hernandez

(706) 503 - 0744 • Atlanta, Georgia • l.cruzh22@gmail.com • [linkedin.com/in/lcruz/](https://linkedin.com/in/lcruz/) • [github.com/lcruz](https://github.com/lcruz)

## 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