

CHRISTA ONGOUYA

Houston, TX | P: (832) 316-7948 | rc.ongouya242@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SKILLS

Languages & Frameworks: Python, SQL, JavaScript, Java, C++, Django, Flask, React, Redux, HTML5/CSS3, Bootstrap, REST APIs, OAuth2, Scala

Tools & Technologies: Azure, AWS (EC2, S3, EMR, DynamoDB), Docker, Microsoft Graph API, Git/GitHub, CI/CD, Linux, MySQL, NoSQL, Tableau, TensorFlow, HTTP, Figma

Concepts & Others: Data Structures & Algorithms, Secure Coding Standards (OWASP/CWE), OOP, Parallel Processing, Cloud Deployment, Automation Pipelines, Machine Learning, Web Development, Agile Development, Team Collaboration, Technical Communication, French

EDUCATION

University of Houston

Bachelor of Science in Computer Science

Capstone: Data Science

Relevant Coursework: Software Design, Data Science, Database Systems, Operating Systems, Digital Image Processing, Intro to Game Art and Animation, Intro to Automata and Computability, Data Structures & Algorithms, Intro to Computer Networks, Data Science II.

Houston, TX

May 2025

Houston Community College

Associate of Science in Engineering Science

Houston, TX

May 2022

WORK EXPERIENCE

NCWS-Front End Developer

University of Houston

Houston, TX

July 2024– Nov 2024

- Developed and maintained 50+ university web pages using HTML, CSS, and JavaScript reducing content update turnaround time by 20%.
- Enhanced user experience and accessibility by refactoring legacy code increasing mobile traffic by 10%.
- Collaborated cross-functionally to deploy A/B-tested UI improvements, applying Agile practices.

Academic Cougar Impact Tutor

University of Houston

Houston, TX

Sep 2022 – 2023

- Mentored 10+ students weekly, improving average test scores by 20% through tailored study plans and confidence-building techniques.
- Collaborated with teachers to design interactive lesson plans, increasing student engagement by 25%.

PROJECTS

Moose Connect | [GitHub](#)

University of Houston - Team Project

Spring 2025

- Developed a secure academic request management platform with **OAuth2** authentication and role-based access control (**RBAC**).
- Engineered a scalable **REST API** backend and optimized session handling for secure, efficient data workflows.
- Implemented a dynamic document approval pipeline using **WeasyPrint**, improving processing time by 60%.
- Coordinated multi-team system integration to unify data sources and automate academic request management.
- Led team of 3 using **GitHub** for version control, issue tracking, and **CI/CD** workflows, improving deployment time by **50%**.
- **Tech Stack:** Python, Django, MySQL, Azure, SQL, Microsoft Entra ID, HTML/CSS, JavaScript, GitHub, Docker, REST APIs.

Weather App | [Live](#)

- Built a **Django** web app fetching real-time global weather data via OpenWeather REST APIs.
- Deployed on Render Cloud, achieving 99% uptime and ensuring scalable service access.
- **Tech Stack:** Python, Django, REST, Bootstrap, Render Cloud Deployment, HTML/CSS.

Nov 2023

Park Management System | [GitHub](#)

University of Houston - Team Project

Oct 2023 - Dec 2023

- Co-developed a full-stack software system for managing theme park operations, including users, payroll, booking and more.
- Deployed on **Azure**, reducing hosting costs by **10%** through resource auto-scaling.
- Implemented **CRUD** operations supporting concurrent **access for 100+ users**.
- **Tech Stack:** Python, SQL, MySQL, HTML/CSS, Azure, GitHub.

Tamagotchi Pet Game | [GitHub](#)

- Designed a console-based interactive game using Object-Oriented Programming (**OOP**) principles in C++.
- Implemented ASCII-based user interface, player interaction loops, and resource management systems.

May 2023

ORGANIZATIONS

National Society of Leadership, National Society of Black Engineers (NSBE) , Society of Women Engineers (SWE), Rewriting the Code, Code Coogs, Colorstack