



Alexia Simental, Software Engineer

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LINKS

[Linked In](#)
[Portfolio](#)

SKILLS

C++
React
HTML & CSS
Git
Node.js
Operations
Linux
JavaScript
Python
MySQL
PHP
Tailwind CSS
Figma
GitHub
Next.js
Anime.js

LANGUAGES

Spanish

English

PROFILE

Hello there! I am a passionate and driven software engineer with a keen interest in backend development. My journey in the world of programming began with a fascination for solving complex problems and optimizing systems for efficiency. I thrive on designing robust and scalable backend solutions that power seamless and reliable applications. I am committed to pushing the boundaries of what technology can achieve. Let's build the future together!

EDUCATION

University of Houston, Bachelor of Science in Computer Engineering Technology

Jan 2018 — Dec 2022

EMPLOYMENT HISTORY

Back-End Development Student

Houston

- Currently studying Back-End Development part time.
- Develop and maintain secure and scalable back-end applications using modern technologies and best practices, ensuring high performance and reliability.
- Utilize knowledge gained from the Meta Back-End Development Course to actively contribute to the development of back-end solutions

Customer Support Intern, Service Corporation International

Apr 2018 — Jul 2021, Houston

- Managed customer accounts through phone calls and email, providing quality service in order to acquire customer satisfaction.
- Assist in enhancing the customer support procedures and workflows to optimize efficiency and improve customer satisfaction.
- Collaborate with team members to develop and implement strategies for improving customer support response time and resolution rate.

Risk Management/Accounting Intern, Plains All American Pipeline

Aug 2015 — Aug 2016, Houston

- Managed detailed records and generated reports for Crude Oil and Natural Gas accounts.
- Stipulated financial help that projected to save over 200 million dollars for the company.
- Assist in identifying potential risks and vulnerabilities in the company's business operations and financial accounts to ensure compliance with industry standards and regulations.

PROJECTS

Anyx (Automated Drone)

Jan 2022 — Dec 2022, Houston

- Engineered an autonomous flight control system for a drone, leveraging Linux-based platforms, OpenCV, PHP, and MySQL technologies.
- Collaborated with cross-functional teams, including hardware engineers and software developers, to ensure a holistic approach to the drone's design, development, and testing.
- Utilized PHP and MySQL to establish a database allowing the drone to access stored information for adaptive and intelligent behavior.
- Enhanced drone navigation algorithms by incorporating GPS data, sensor inputs, and computer vision outputs, resulting in precise and adaptive autonomous flight.