Lucas Martinez

Software Engineer

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PROFILE

At my core I am a logical thinking engineer who seeks opportunities for growth. Career-wise I am most interested in software development. As an electrical engineering student I gained foundational knowledge of programming through courses on C++, Assembly Language, VLSI, and Microelectronics. During the pandemic I sought to strengthen my programming skills through self study as well as capitalize on the opportunity to start a small business. I consider myself to be a strong autonomous worker, and my engineering mindset helps me to achieve business goals. I believe I will be a great asset to an engineering team as someone who can build sustainable engineering products, understand the business goals behind them, and grow a desired business objective.

SKILLS

C++, DSP, HTML, CSS, Git, Node.js, Express, MySQL, Matlab, JavaScript, React.js, Graphic Design, Audio Production.

EXPERIENCE

Wholesale Merchandiser | Self-Employed

JUL 2020 - PRESENT, MIAMI, FL

- Purchasing and sorting bulk clothing through business relations with local international clothing export corporations for wholesale to retail stores in New York and Miami. Sort and distribute hundreds of clothing items weekly.

Production Director and Show Host | WVUM Radio Station

DEC 2016 - MAY 2020, MIAMI, FL

- Recording of all on-air advertisements, promotions and interviews.
- Scheduling of automatic music and advertisement playback during hours of computer-only broadcasting.
- Host and music selection for weekly radio show.

EDUCATION

BrainStation | Diploma, Software Engineering

FEB 2023 - MAY 2023, MIAMI, FL

- Relevant coursework includes: HTML, CSS, SCSS, JavaScript, React, MySQL, Node.js, Express, Knex.js.

University of Miami | B.S. in Electrical Engineering, Audio Focus

AUG 2015 - MAY 2020, MIAMI, FL

- Relevant coursework includes: computer science, digital signal processing, electronics, circuit design, VLSI design, logic design, acoustics, and music engineering.

PROJECTS

Software Engineer | 'Database Vintage'

MAY 2023, BrainStation

- Capstone project for an app that offers users the ability to sell items online at no cost rather than paying subscription or per-transaction fees.

Software Engineer | 'UKG Work-Life Project Hackathon'

MAY 2023, BrainStation

- Winning project in partnership with UKG for an app that promotes improved work-life balance for employees. Proposal for an ML-focused app to aid companies with coordinating work events for its employees.

Lead Software Engineer | 'Legacy Media Processing'

AUG 2018 - MAY 2019, University of Miami

- Senior project using machine learning to mimic a filter for images that is unknown, given an example of a pre and post-processed image.