

Miguel A. Avilés Bonilla

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Education

The University of Texas at San Antonio

B.S. in Computer Science:

Concentration in Software Engineering

GPA: 3.1

December 2022

Skills

Relevant Coursework: Advanced Software Engineering, Application Programming, Analysis of Algorithms, Cryptography, Data Structures, Data Science, Database Systems, Machine Learning, Operating Systems, Systems Programming, User Interfaces

Technologies: Linux, Vim, Git/Github, AWS, Nginx, React, pandas

Programming Languages: Python, C, Java, HTML, CSS, JavaScript, TypeScript, SQL, Bash & Shell Programming

Fluent Languages: English, Spanish

Projects

SoundSpace

- Solo developed the frontend of an eStore that sells vinyls, headphones, record players.
- Built all of the features like product pages, navigation bar, shopping cart, and filtered product search using HTML, CSS, and JavaScript.

Hotel Reservation Website

- Head UI/UX developer for a website that managed hotel reservations.
- Built the layout for multiple HTML screens, that let the user browse and book hotels, using JavaScript, CSS and Bootstrap.
- Wrote the skeleton for an SQL database that stored user and hotel information.

SQL Database on Amazon EC2 Instance with API

- Used PHP, SQL, HTML to build a webpage that could interact with an SQL database/server on an EC2 instance, being able to add, remove, retrieve entries from the database from the webpage.
- Site had its own SSL certificate for HTTPS
- Sites functionality was also developed to be used as an API

Extracurricular

Active Member of the Association for Computing Machinery

Musician for Christians on Campus @ UTSA

Server at Gloria's Latin Cuisine (August 2022 - Present)

Paso Fino Horse Training