Ernesto Sanchez

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Full stack web developer. Genuine programming languages I use include, JavaScript, Python, C++. Full list of skills below. I am precise in meeting deadlines, tend to have good creativity, and strongly believe in the power of effective teamwork. During my studies in Electrical Eng. at Carleton U; C++, Java and Python were heavily used, I have implemented complex algorithms to solve complicated problems. In April 2022, I graduated from the University of Toronto's' Full Stack certification with flying colors, strengthening my understanding of the full stack environment. I am passionate about finding optimal solutions to problems. Furthermore, I enjoy collaborating with others to learn and create meaningful web applications. With each project, my aim is to best engage my audience for an impactful user experience. Check out my Portfolio Page.

Projects

Tech Blog Full Stack App : On my GitHub!   Developer

- This app is a CMS-style blog site similar to a Wordpress site, where developers can publish their blog posts and comment on other developers' posts as well.
- This app follows the MVC paradigm in its architectural structure, using Handlebars.js as the templating language instead of REACT and SQL w/ Sequelize as the ORM for its backend.

Get-Traded Full Stack App : On my GitHub!   Developer

- This was a collaboration project based on a REACT front end that matched home owners with relevant trades workers for whenever work is needed at a residence.
- I implemented the back-end of this project with a few front end designs. It was staged with MongoDB w/ Mongoose, JWT tokens, GraphQL and appolloServer.

DNA Sequence Alignment Algorithm : On my GitHub!   Developer

- This was a CLI project I did to practise using Needleman Wunsch Algorithm.
- A user enters two DNA sequences and the program will determine optimal alignment based on user input of match score mismatch score and gal penalty- Also utilizes traceback methods.

Professional Experience

Mini Giant Coders   10/2018 - 04/2022
Owner - Small Business 4 part-time employees   Toronto, Ontario
- Startup Business, myself and my colleague from university started teaching kids in high school how to code. We started teaching in C++ mainly, but now include basic full-stack web apps.
- Still teaching a roster of 25 kids and growing. 100% Ready to step down for a career opportunity.

Bermingham Foundations Solutions, Toronto   2/2012 -08/2014
Database Engineering Intern   Hamilton, Ontario
- Responsible for organizing and refining the online database for ongoing and completed construction projects.
- Mainly it was database information seeding however I also was part of the software application building process as it was done in house. Note: Bermingham bought by Soletanche Bachy.

TECHNICAL SKILLS

- Front End Proficiencies:
  - HTML
  - CSS
  - JavaScript
  - REACT / JSX / Redux
  - JQuery
  - Test Driven Development (TDD) with Jest
  - Bootstrap/MUI/Tailwind
  - Responsive Designs

- Back End Proficiencies:
  - API's
  - REST
  - .NET
  - Node.js
  - Express
  - SQL/Sequelize
  - MongoDB/Mongoose
  - AppolloSever
  - GraphQL
  - AWS
  - MERN Stack Development

SOFT SKILLS

- Highly reliable and a great team member
- Detail oriented and able to manage multiple projects

Education

University of Toronto, Toronto   Grad 04/2022
Full-Stack Software Development

Carleton University, Ottawa
Bachelor's of Engineering - Electrical Engineering

Additional Information

- Spoken Languages:
  - English - Native
  - Spanish - Fluent
  - French – Intermediate

- Community Service
  - Habitat for Humanity
    - Helping to provide homes to the less fortunate. Being from and born in Mexico, I have seen too many live in terrible conditions, I have been fortunate enough in my life to live in Canada and have always had a roof over my head and a bed to sleep in, I wanted to give back. What an incredible charity Habitat for Humanity is and I am proud of every day of it.
    - 200+ Hours Served

**REFERENCES AVAILABLE UPON REQUEST!