Rodrigo Pittar

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EDUCATION

Bachelors of Science in Computer Science
New Jersey Institute of Technology · Newark, NJ · 2019 · 3.66

SKILLS

Programming Languages: Python, C, C++, C#, SQL, Java

Web Development: HTML, CSS, JavaScript, TypeScript, PHP, ASP.NET, Node.js, Express.js, MongoDB, Spring Boot

Comfortable programming in *nix environment

PROJECTS

Dietitian Recipe Manager
· A semester long project sponsored by S&A Technologies, a software consulting agency. We were tasked with developing an application for a local dietitian that acts as a vehicle to connect the dietitian with their patients, provide recipes to patients, and allow patients to provide the dietitian with feedback on their dietary suggestions.
· My involvement with the project was primarily back-end development. I configured the routes and services for the API using the ASP.NET framework and Microsoft SQL Server.

Pokédex
· Outputs Pokémon data that was consumed from the Poke API and persisted on a database.
· Displays Pokémon stats, sprite image, and custom background color based on type and allows searching by name. Built with ReactJS, Spring Boot, JPA, and MySQL and then dockerized and hosted on Digital Ocean.

Deverb
· An audio plugin built using the JUCE C++ framework.
· My goal was to design a reverb algorithm similar to those found on old Alesis rack units. Along the way, I learned about the JUCE framework and essential DSP concepts.

Interpreter
· An interpreter for a simple language written in C++, assigned as part of my Programming Language Concepts course.
· The lexical analyzer converts a sequence of characters into a sequence of tokens. The resulting tokens then get passed into the parser (a recursive descent, top-down parsing implementation) which builds the parse tree from the read tokens. Finally, a series of static and dynamic (runtime) checks are performed on the nodes of the resulting tree.

INVOLVEMENT

Member
New Jersey Institute of Technology · Association for Computing Machinery

EXPERIENCE

Data Entry Clerk
G&S Logistics LLC.   **July 2019 - Present, Harrison, NJ**
· Received, picked, and shipped all incoming freight and kept all clients' orders up-to-date
· Prepared source data for computer entry by compiling and sorting information; establishing entry priorities
· Processed customer and account source documents by reviewing data for deficiencies and resolving them by using standard procedures
· Regularly completed database backups