

# Rodrigo Pittar

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## EDUCATION

### Bachelor of Science in Computer Science

New Jersey Institute of Technology • Newark, NJ • 2019 • 3.66

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## 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

**Data Analysis:** Pandas, Matplotlib, Seaborn

Comfortable programming in \*nix environment

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## 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.

### 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.

### DayTrip

- A full stack local food and business web app. My goal was to make a "Yelp for cities", in which users can search for a U.S. city or town and get back the top restaurants, hotels, and places of interest in the area.
- Users can also leave reviews, recommendations, and bookmark cities. For this, I leveraged the Yelp and Google Places APIs for city and local business information.
- Built using EJS, Express.js, Node.js, and MongoDB for database management.

### 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.

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## INVOLVEMENT

### Selected Member

New Jersey Institute of Technology • Association for Computing Machinery

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## 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