

Augie Rodrigues

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Education

Rutgers University–New Brunswick (GPA: 3.51/4.00)

Sept 2022 – Dec 2024

BS in Computer Science, Cum laude

- **Coursework:** Computer Architecture, Software Methodology, Design & Analysis of Computer Algorithms, Data Structures, Operating Systems Programming, Linear Algebra, Discrete Structures I & II

New Jersey Institute of Technology

Sept 2025 – present

MS in Electrical Engineering

Experience

Online Orders Specialist / Order Management Software Troubleshooting

West Caldwell, NJ

Stop & Shop

May 2023 – present

- Restored online order access by resolving software outages, preventing cancellations, and recovering over \$5,000 in sales
- Verified product availability and updated inventory records at store opening and closing to maintain accurate stock levels

Server's Assistant

West Caldwell, NJ

Mountain Ridge Country Club

May 2022 – Aug 2022

- Prepared dining areas for service by setting up indoor and outdoor seating and arranging table settings
- Supported club events, maintaining hospitality standards while handling last-minute table adjustments and assisting guests

Front-end / Inventory Associate

West Caldwell, NJ

ShopRite

Sep 2021 – Dec 2021

- Balanced cash registers daily and prevented shoplifting
- Restocked shelves and checked inventory to prevent shortages or discrepancies

Web Developer

West Caldwell, NJ

Self-employed

Feb 2021 – present

- Designed and maintained custom websites for local landscaping and resale businesses using HTML, CSS, and TypeScript
- Embedded payment gateways (Stripe, PayPal) and live inventory management systems to enable e-commerce operations

Projects

Custom UNIX-Like Shell

Lightweight command-line shell

- Developed a custom shell program in C, compiled with GCC and using GNU Make to automate builds and support debugging
- Enabled advanced shell features such as piping and command chaining, replicating commands like grep, ls, and cat pipelines
- Incorporated multithreading using fork() to handle concurrent processes, allowing the shell to execute commands in parallel
- Implemented terminal and file I/O handling via fopen, read, and write, including support for input/output redirection

BookLogger

Desktop platform for cataloging and reviewing books

- Created a WPF application in C# on .NET with XAML-based GUIs, employing the MVVM pattern and data binding
- Employed Entity Framework Core with SQLite backend for caching, using LINQ queries to display user and book data
- Implemented authentication and user management with secure password hashing and validation via ASP.NET Core Identity
- Fetched book metadata from an external API and implemented caching to efficiently populate search results

Restaurant Order App

Android application for real-time order tracking

- Built a restaurant management app with menu and order handling, applying Java, MVC architecture, and OOP principles
- Implemented core classes using enums, abstract classes, and interfaces to model restaurant operations and user orders
- Managed orders and menu items using custom Lists and Heaps to efficiently process and access order data
- Designed GUIs with FXML and CSS, linking Android components to backend logic via Adapters and view bindings

Technologies

Languages: Java, C, C++, Python, C#, TypeScript, SQL, Rust, Kotlin

Frameworks & Tools: GNU Make, Linux, Bash, .NET Framework, React, Node.js, Android Studio