

Brandon Perez

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Education

Texas A&M University

Dec 2026

BS in Computer Science | BS in Applied Mathematics **GPA: 3.42**

Relevant Coursework: *Foundations of Software Engineering, Data Structures and Algorithms, Analysis of Algorithms, Programming Languages, Communications and Cryptography, Principles of Statistics*

Technical Skills

Languages: Python, C/C++, C#/.NET, Java, JavaScript, SQL, HTML/CSS, R

Databases: PostgreSQL, MongoDB

Frameworks: React, Node.js, Express.js

Tools: Git, Docker, GitHub, Azure DevOps, NumPy, Matplotlib, pandas

Experience

Full-Stack Software Engineer, Ramsey's Restaurant – Victoria, Texas

May 2025 – Aug 2025

- Designed and deployed a full-stack restaurant POS system using React and PostgreSQL, integrating an AI-based recommendation engine that improved upselling by **17%** by suggesting high-demand items based on order history
- Leveraged RESTful APIs to support CRUD operations, order tracking, live inventory management, and sales analytics, reducing order processing time by **30%** compared to manual processing
- Created and normalized a relational database schema with PostgreSQL, writing advanced SQL queries and transactions to reduce query time and ensure consistent, reliable data for all operations

Software Engineering Intern, Dimensional Solutions – Katy, Texas

Jun 2024 – Aug 2024

- Developed a Windows-based desktop application in C# using .NET and XML to streamline workspace file management, integrating Azure-hosted tools to ensure reliable testing environments
- Automated repetitive tasks by scripting internal tooling enhancements and reorganizing workspace file structures, improving developer workflow efficiency and saving **4+** hours weekly across teams
- Conducted unit testing and debugging on **200+** engineering calculation datasets, achieving **99%** test accuracy and improving overall tool reliability within an Agile development cycle

Projects

Inventory Management Tool, Portfolio Project

May 2025 – Present

- Constructed a full-stack inventory system with MongoDB, Express.js, React, and Node.js, featuring advanced search and an AI-powered chatbot for natural language queries
- Implemented RESTful API endpoints tested with Postman to manage real-time inventory data and dynamic updates
- Added personalized profiles to track items, tag usage, and recent activity

Hackathon Team Project, Texas A&M University – College Station, Texas

Jan 2024 – Jan 2024

- Collaborated with a cross-functional team of **4** to build a full-stack web application using MongoDB, and JavaScript
- Integrated a website generating over **20** personalized travel itineraries based on user mileage points
- Managed source code with Git, ensuring seamless version control and team collaboration

Leadership & Involvement

Operational Team Leader, Corps of Cadets at Texas A&M University

Aug 2024 – Present

- Led and mentored a team of **24** freshmen, instilling Texas A&M's core values and fostering leadership skills and resilience in high-pressure environments
- Administered adaptive leadership strategies to drive team cohesion and individual growth

Cadet Corporal, Corps of Cadets at Texas A&M University

Aug 2023 – May 2024

- Coordinated community engagement activities for **61** cadets, promoting campus-wide involvement
- Completed **60+** hours of community service, including event planning and public outreach