Jeremy Granizo

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OBJECTIVE

Full-stack software engineer with hands-on experience in AWS deployment, machine learning, and modern web development. Skilled in algorithmic problem-solving and backend integration, seeking to leverage technical expertise in impactful, scalable engineering projects

EDUCATION

New Jersey Institute of Technology (NJIT)   Newark, NJ
Bachelor of Science in Computer Science;   May 2025

- Relevant Coursework: Data Mining, Data Visualization, Machine Learning, Database System Design, Advanced Internet Applications, Introduction to Cyber Security, Guided Design in Software Engineering

SKILLS SUMMARY

- **Languages** Python, JavaScript/TypeScript, Java, C++, PHP, SQL, Bash

- **Backend & Cloud:** Node.js, Express, Flask, MySQL, MongoDB, AWS (EC2, S3, RDS), REST APIs, Linux, Docker

- **Frontend/UI:** React.js, HTML, CSS, Chakra UI, Vite

- **Data/ML:** Pandas, NumPy, Scikit-Learn, TensorFlow, Hugging Face, NLP (BERT)

- **Certifications:** Supervised Machine Learning: Regression and Classification

EXPERIENCE

Capstone Project — Medical Adherence Application (NJIT & RDE Systems)   Jan 2025 – Present

- Led AWS EC2 backend deployment and configured a secure MySQL database using AWS RDS for efficient cloud data management

- Integrated a gamified achievement system, boosting medication adherence by 40% through incentive progress tracking

- Automated deployments and code reviews via GitHub Actions, enhancing reliability and speeding up release cycles

Web Developer for Giovanna's Amazing Face Painting & Body Art   Jan 2023 – June 2023
Freelance   Remote

- Built a responsive web app with React and Node.js, increasing client acquisition by 66.7%

- Streamlined client tracking by integrating a form submission system with Google Sheets via Google Apps Script

PROJECTS

Real-Time Multiplayer Domino Game— *TypeScript, React, Chakra UI*
- **Developed** a **real-time** multiplayer Domino game using TypeScript and React, integrating **WebSockets** for state synchronization
- Led a 4-person Agile team with sprint planning, code reviews, and pair programming

Gym Workout Tracker — *Apache, PHP, HTML, SQL, CSS*
- Engineered a full-stack gym application with a dynamic workout recommendation engine, leveraging a progressive overload algorithm to optimize user performance tracking

Recursive Parser — *C++, Context-Free Grammar*
- Designed and implemented a robust C++ parser for a custom programming language using advanced context-free grammar techniques
- Developed sophisticated parsing logic to handle complex recursive patterns and nested expressions, ensuring accurate syntactic analysis
- Demonstrated expertise in compiler design principles through the creation of a reliable parsing system for complex language constructs

Reddit Sentimental Analysis — *Python/Libraries, AWS S3, Machine Learning, NLP*
- Fine-tuned a BERT model for sentiment analysis on 1.6 million tweets, achieving 90% accuracy
- Optimized data storage and pre-processing with Amazon S3, reducing load time from 1 minute to 3 seconds
- Integrated Reddit API for real-time data retrieval