

Jeremy Granizo

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OBJECTIVE

Seeking an engineering role in **machine learning**, or **full-stack development** where I can leverage my experience in cloud computing, data analysis, and software development to contribute to **impactful** projects. I aim to **grow** my technical skills and **collaborate** with a dynamic team to drive **innovation**.

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, Guided Design in Software Engineering

SKILLS SUMMARY

- **Tools & Platforms** Full-Stack Development, RESTful APIs, Data Analysis, Machine Learning, Database Management, AWS, Git, Cloud Deployment, Vite, Postman, Linux, npm
- **Programming Languages:** Python, Java, Javascript, Typescript, PHP, SQL, Bash, HTML, CSS
- **Frameworks & Libraries:** React, Chakra UI, Scikit-Learn, Hugging face, PyTorch, Pandas, NumPy, Matplotlib, TensorFlow, Streamlit, Node, Express, MERN
- **Certifications:** Supervised Machine Learning: Regression and Classification

EXPERIENCE

Web Developer for Giovanna's Amazing Face Painting & Body Art

Jan 2023 – Oct 2023

Freelance

Remote

- Designed and developed a **responsive web application** using **React** and Node.js, enabling the client to showcase services and manage bookings, resulting in a **66.7% increase in client acquisition**.
- Implemented a **form submission system** by customizing an open-source **Google Apps Script** (sourced from GitHub) to log inquiries directly into **Google Sheets**, streamlining client tracking and management.

PROJECTS

Full-Stack Team Project (Covey.Town) — *TypeScript, React, Chakra UI*

Sept 2024 - Dec 2024

- Developed a **real-time** multiplayer Domino game using TypeScript and React, integrating **WebSockets** for **state synchronization**.
- **Led** a 4-person **Agile** team, conducting sprint planning, code reviews, and pair programming to ensure **high-quality, scalable** code.

Gym Workout Tracker — *Apache, PHP, HTML, SQL, CSS*

June 2023 - July 2023

- Engineered a full-stack gym web application using PHP, creating a custom **database architecture** and **backend systems**
- Developed a **dynamic** workout recommendation engine and a **progressive** overload **algorithm** to optimize user workouts.

MERN Stack RESTful API — *MongoDB, Express.js, React.js, Node.js*

Jan 2024 - March 2024

- Developed a **MERN stack RESTful API** with **CRUD operations**, enabling efficient data retrieval from a MongoDB database.
- Optimized the **search functionality** to progressively narrow results as each letter is typed, improving performance by **87.5%** in search queries.
- Implemented the entire feature within a **single-page React** app, reducing response times and enhancing the overall user experience.

Reddit Sentimental Analysis — *Python/Libraries, AWS S3, Machine Learning, NLP*

Sept 2024 - Dec 2024

- Fine-tuned a BERT model for sentiment analysis on **1.6 million tweets**, achieving **90% accuracy**, addressing class imbalance.
- Leveraged **Amazon S3** for efficient data storage and pre-processing, reducing web app loading times **from 1 minute to 3 seconds**—a **95% improvement**—significantly enhancing user experience and runtime performance.
- Integrated Reddit API for **real-time** data retrieval and **collaborated** with a teammate to deploy the sentiment analysis pipeline.