

Gabriel Contreras

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EDUCATION

University of Florida

Bachelor of Science in Computer Science

Gainesville, FL

Aug. 2025 – May 2029

- GPA: 3.75/4.00
- Relevant Coursework: Discrete Mathematics, Programming Fundamentals I/II, Calculus I/II

EXPERIENCE

Software Engineering Intern

Venu AI (YC W21)

April 2026 – Present

Remote

- Working directly under CEO to implement full-stack engineering solutions and AI-powered tools for sales lead generation
- Created full development of product feature that allows users to make attendee matchmaking, sending them emails directly by simply uploading a CSV
- Constantly fixed bugs on a quick turnaround, dealing with testing edge cases and minimizing any future product disruptions for customers

Artificial Intelligence Researcher

Algoverse

January 2026 – May 2026

Remote

- Researching uncertainty propagation in financial multi-agent LLM chain of thought pipelines, analyzing how epistemic uncertainty compounds across reasoning stages
- Developing a prompt-level uncertainty communication framework enabling agents to share confidence and then evaluating it using Expected Calibration Error and Brier Score on FinanceBench

PROJECTS

Gamify Your Life (ARISE) | *JavaScript, Node.js, TypeScript, Git*

January 2026

- Built a full-stack habit-tracking web app at SwampHacks hackathon using TypeScript, Node.js, and Gemini API that gamifies financial and health tracking through AI-generated progression levels
- Integrated Gemini API to adjust user progression levels based on behavioral data and goal completion metrics and utilized Capital One API for real-time user transactions that keep track of their spending habits and limits
- Utilized TypeScript for the frontend and JavaScript for the backend of the program. We then deployed it for the web to use through Vercel

Fitrack | *JavaScript, React.js, Express.js, MongoDB, Git*

December 2025

- Developed a full-stack fitness tracking platform using React, Express, and MongoDB enabling users to log workouts and visualize long-term progress through automated analytics
- Integrated connection with Claude API to allow users to talk to an AI coach that can guide them through whatever health and fitness goals they may want to know more about, being tailored to the user's own workout progress
- Utilized MongoDB Atlas for database connection and deployed the app through Microsoft Azure Web App services.

Stock Market Predictor | *Pandas, Scikit-Learn, Python, HTML, Docker, FastAPI*

November 2025

- Developed ML regression model predicting S&P 500 trends using historical price data, achieving 60% accuracy on test set with Random Forest algorithm and feature-engineered technical indicators
- Built production-ready REST API using FastAPI to serve real-time predictions, handling 10+ requests per minute with less than 200ms response time
- Containerized full application stack with Docker and deployed to Render cloud platform, implementing CI/CD pipeline for automated testing and deployment

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, TypeScript

Frameworks: React.js, Node.js, Express, FastAPI, Pytorch

ML/Data: Scikit-Learn, Pandas, Jupyter

Developer Tools: Git, Docker, Azure, MongoDB, VS Code, Visual Studio, PyCharm, Vercel