

Santiago de Grandchant

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EDUCATION

Georgia Institute of Technology

Bachelor of Science in Engineering in Computer Science

Concentrations: Intelligence and Information Internetworks

Graduation Date: May 2026

Atlanta, GA

GPA: 3.8

Relevant Coursework: Machine Learning, Natural Language Processing, Intro to AI, Perception and Robotics

Clubs/Affiliations: SHPE, ALPHA, Big Data Club, Google Developer Student Club, Create-X: Startup Idea to Prototype

EXPERIENCE

Bank of America

Software Engineer | New York City, NY

Jun – Aug 2025

- Invented and **patented** “disp,” a Python tool that **accelerated log analysis** and reduced the learning curve for a 23-member team, cutting investigative time from **minutes to seconds** and becoming the default solution for the team
- Standardized sensitive data sharing by creating an **IP blur tool** that reduced ramp-up time for new engineers from learning 13 commands to executing one line, ensuring **vendor-ready packages within seconds**
- Saved the bank **~\$200K** annually by implementing an **AES-based** credit card **tokenize/detokenize engine**, allowing compliant tokenization during inserts and secure detokenization during reads.

Mojix

Artificial Intelligence Intern | Boca Raton, FL

Jun – Aug 2024

- Prototyped product authenticity verifier using **Vertex AI** endpoints to distinguish real from counterfeit products by converting **images into embeddings**, using the **cosine similarity** function to cross reference distinguishing features
- Achieved a correct diagnostic for **88%** of the simulated tests, beating the average human score by **13%**
- Built a chatbot for querying consumer datasets using **LangChain** to classify questions and inject task specific prompts to **Gemini's API**, transforming **natural language into SQL** and eliminating the need for code
- Engineered **data pipeline** using the **GCP** ecosystem for seamless biweekly model retraining after more data became available, which facilitated **management, scalability**, and eliminated manual work

PROJECTS

Farmacia Digital

Full Stack Developer | Put skills used here

- Built a pharmaceutical **3 layer price compare** platform (therapeutic action, molecule, distributing pharmacy) with **10,000+** products, covering **70% of Bolivia's market** across the 3 largest pharmacy chains
- Engineered **personalized user portals** with allergy/condition filtering to **automatically exclude** harmful medications, plus **WhatsApp integration** for medication reminders, price alerts, and purchases
- Supports flexible search by molecule, brand name, symptom, therapeutic action, or plain-language description, so users can find medications even without knowing the exact product name

Insure-U

Artificial Intelligence Developer | Put skills used here

- Architected proprietary insurance premium model leveraging historical, demographic, and personal claims data to **dynamically adjust premiums** according to customers selected **price ranges**, employing **HDBSCAN** for advanced risk **segmentation** and **GLMs** for precise estimation of claim frequency and severity in Latin American Countries
- Optimized the integration of a **GBM** to refine variable weighting and minimized **loss of model by 12%**

La Boliviana Ciacruz de Seguros

AI Consultant | Put skills used here

- Built a production-grade RAG engine for the sales team, cutting information lookup time from **2+ hours to seconds**.
- Reduced senior staff workload by autonomously resolving **low-impact, high-frequency** questions from agents.
- Installed a translator agent that converts non-expert queries into domain-specific language to improve answer quality.
- Integrated Google **Document AI OCR** to enhance document parsing and chunking for more accurate LLM retrieval.

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java, JavaScript, HTML/CSS, SQL, Swift, Typescript, Linux, Rust

Databases: MongoDB, MySQL, BigQuery, Firebase, Relational Databases, Non-Relational Databases

Technologies: Docker, PostgreSQL, Git, GitHub, OpenAPI, Google Cloud Platform, Figma, Claude Code

Libraries/Frameworks: React.js, Flask, Pandas, Sci-kit Learn, PyTorch, matplotlib, LangChain, seaborn