

DANTE GARCIA

BIOENGINEERING STUDENT

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[LINKEDIN](#) | [GITHUB](#)

MY OBJECTIVE

To leverage synthetic biology and AI to research and develop novel biomedical technologies that improve healthcare for everyone.

SKILLS & ABILITIES

- Programming languages: Python, JavaScript, CSS, HTML, R
- Dataset creation: Pandas, PyArrow, HuggingFace Datasets
- Building and training models: HuggingFace Transformers, PyTorch
- Data analysis: Matplotlib, Seaborn, Plotly, Sklearn
- Building Agentic AI: LangGraph, LlamaIndex, Haystack
- Retrieval augmented generation: ChromaDB, LangChain, SentenceTransformers
- Full-stack app development: Flask, NextJS, React, React Native, Redux, Docker
- Deployment: Firebase, Supabase, Google Cloud, Microsoft Azure, Vercel
- Website development: Figma, WordPress, Elementor, GeneratePress

EXPERIENCE

August 2025 –

BIEN 200 Course Assistant

McGill Department of Bioengineering

Maintaining and upgrading the AI virtual TA for students and assessing research assignments.

May 2025 –

Dry Lab Researcher

McGill iGEM

Curated biological datasets, performed data analysis, fine-tuned PLMs for specific protein families, and designed models for predicting thermodynamic properties using PLM embeddings.

May 2025 – Aug 2025

Internship with Dr. Natalie Reznikov

McGill Department of Bioengineering

Built a topic modeling app for papers powered by embeddings, an AI virtual TA for the course BIEN 200, and a semantic search backend for a virtual museum project at McGill.

June 2024 – Aug 2024

Web Development

Fournier Patent Agency

Built the client's business website based on wireframes, competitor research, and carefully crafted copy optimized for SEO.

EDUCATION

2024 –

Bachelor's Degree in Bioengineering

McGill University

In the process of completing a rigorous curriculum in researching and developing biomolecular and cellular systems