LUCA GIANNOTTI

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EDUCATION

AUG 2024 – MAY 2028

Bachelor of Science (Hons) - Computer Science
Texas A&M University – College Station, Texas

Engineering Honors Student, Lechner Scholarship Recipient

Member: Aggie Coding Club, Texas A&M Computing Society

AUG 2020 – MAY 2024

International Baccalaureate Diploma Programme
Magnolia High School – Magnolia, Texas

Ranked 6/538

Programming Lead for Robotics, Speech & Debate,

PROJECTS

MAR 2025 – APR 2025

TAMU Statistics – *https://tamustatistics.com*
Python, FastAPI, Next.js, TypeScript, Pandas, Docker, Cloudflare, Selenium

Developed and deployed a full-stack web application analyzing grade distributions across 116,000+ Texas A&M course sections.

Built high-performance FastAPI backend and optimized bulk REST endpoints.

Designed an interactive Next.js/React frontend with dynamic filtering, sortable tables, and Plotly.js GPA visualizations.

Containerized with Docker and self-hosted on Homelab with Cloudflare.

Implemented backend automation pipelines for data collection using Pandas, PyPDF, and Selenium

MAY 2025 – CURRENT

Homelab
Proxmox, Linux, Docker, YAML, Nginx, Cloudflare

Built and maintain a self-hosted Proxmox homelab running with 10+ containerized services for media automation, cloud access, and projects.

Integrated Nginx reverse proxy and Cloudflare Tunnels for secure remote access.

TECHNICAL SKILLS

Languages	Python, JavaScript, HTML, CSS, C++, YAML
Technologies	Flask, React, Node.js, FastAPI
Developer Tools	Git, Docker, Nginx, Cloudflare, VS Code
Coursework	Discrete Math, Linear Algebra, Data Structures & Algorithms
Core Areas	Data Analysis, Containerization, APIs