LEO GHANEM

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SKILLS

Languages: English and French
Programming Languages: Go, TypeScript/JavaScript, Python, Java, C++, SQL
Frameworks and Tools: React, NextJS, NodeJS, gRPC, PostgreSQL, MySQL, Redis, Docker, Git, Linux, OpenAPI

PROFESSIONAL EXPERIENCE

University of Southern California   Los Angeles, CA 90089
VBA IT Student Worker   September 2025-Present
- Offer level 1 technical support to students and faculty within the Viterbi School of Engineering
- Utilize "myViterbi" support portal to document and triage support tickets, ensuring issues are routed efficiently to IT specialists

Elytra Robotics   Los Angeles, CA 90089
Fullstack Engineering Intern   February 2025-May 2025
- Created fullstack web applications enabling customers to construct interactive property maps and manage rover deployments, and constructed reusable packages imported across Elytra's two web apps

AlteraSMS   Los Angeles, CA 90039
Fullstack Developer   January 2022-Present
- Design and implement 4 modular gRPC microservices (Go + PostgreSQL) for secure communication between internal services
- Build a customer dashboard (Next.js + React Query) with live invoice payments via Stripe and NowPayments
- Create a Discord bot integration leveraging OAuth2, allowing linked customers to access features directly from the support server

Lycée International of Los Angeles   Los Angeles, CA, 91506
Student Council Treasurer   March 2023-March 2024
- Managed student council events budget and modernized treasury system, coordinating 7 events and 5-10 volunteers per event

Rose Hullman Institute of Technology   Terre Haute, IN 47803
Summer Camp Student   June 2022
- Developed 2D multiplayer maze game in Python using sockets for networking
- Awarded first place prize at Operation Catapult Summer Camp by Rose-Hullman Institute of Technology professors

EDUCATION

University of Southern California   Los Angeles, CA 90089
Bachelor of Science   June 2028
- Computer Engineering and Computer Science

Lycee Internationale of Los Angeles   Burbank, CA 91506
High School Diploma   August 2016-June 2024
- Diplôme national du brevet, Mention Tres Bien

MEMBERSHIPS

ASB Treasurer - Organized student council event funds for 340 students
USC Viterbi School of Engineering - Computer Science & Engineering student (Class of 2028)