

# 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

### USC Viterbi IT

Los Angeles, CA 90089

#### Student Worker

September 2025-Present

- Offer level 1 technical support to students and faculty within the Viterbi School of Engineering
- Utilize ViterbiIT 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)