

# LEO GHANEM

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## SKILLS

Programming Languages: Knowledgeable in Python, Typescript and Go

Languages: English, French, and basic Spanish

Fullstack web development

## PROFESSIONAL EXPERIENCE

### Elytra Robotics

Los Angeles, CA 90089

#### Fullstack Engineering Intern

February 2025-May 2025

- Designed complex web applications allowing customers to develop virtual maps of properties and manage rovers, and constructed reusable packages imported across Elytra's two web apps
- Wrote programming style specifications to ensure all apps used the same dependencies allowing programmers to collaborate on a variety of projects and packages

### AlterasMS

Los Angeles, CA 90039

#### Lead Developer

January 2022-Present

- Develop and maintain a gRPC backend, with one service for each database model, to be imported in other apps to connect data and make requests
- Design a customer dashboard allowing customers to pay invoices, query gRPC endpoints and view data for hundreds of users in organized data tables
- Create a Discord bot so customers with linked Discord accounts can access the platform from the Discord support server

### The Stronghold Climbing Gym

Lincoln Heights, CA 90031

#### Rock Climbing Coach

June 2022-August 2024

- Coached rock climbing camp for children ages 5 through 14. Taught advanced techniques, ran team building exercises and group stretching activities
- Set up advanced rope systems to build a "swing" in the ropes section of the gym by tie advanced knots and leveraging safety equipment to build two or more safe rope courses per week

### Lycée International of Los Angeles

Los Angeles, CA, 91506

#### Student Council Treasurer

March 2023-March 2024

- Reconfigured and optimised Treasury system, ran monthly meetings to go over fundraising plans and expenses for upcoming events, and communicated with school CFO to switch payment processors
- Handled volunteers for events, making sure everyone had a task to do, and handling approval of volunteer hours for IB CAS students alongside other ASB members

### Rose Hullman Institute of Technology

Terre Haute, IN 47803

#### Summer Camp Student

June 2022

- Awarded first place prize at Operation Catapult Summer Camp; awarded by Rose-Hullman institute of technology professors
- Collaborated in a team to create a 2D multiplayer maze game using Python, where players race each other to find a treasure hidden within a labyrinth

## EDUCATION

### University of Southern California

Los Angeles, CA 90089

#### Bachelor of Science

June 2028

- Bachelor of Science, 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

Lycee Internationale of Los Angeles

Rock Climbing Coach at The Stronghold Climbing Gym