

# Alex Henin

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## EDUCATION

### CALIFORNIA STATE UNIVERSITY LONG BEACH (CSULB)

Expected Graduation Spring 2029

Major: Aerospace Engineering

### PROVIDENCE HIGH SCHOOL

Graduated June 2025

**GPA:** 3.85 | **AWARDS:** Valedictorian

## SKILLS

CNC Machining, 3D Printing/Slicing, Rapid Prototyping, First Principles Engineering, Python, Fusion 360, Onshape, Solidworks, Blender, 3D Art and Rendering, Photo Editing, Vector Design, Video Compositing, Microsoft Office, Excel, Strong Interpersonal Skills

## PROJECTS

### NFC BRACELETS

January 2024

- Developed NFC-enabled bracelets leading to a custom website sharing stories of rescued children

### CYBERTRUCK DELIVERY EVENT ATTENDEE

November 2023

- Invited to exclusive Cybertruck Delivery Event by writing all U.S. Tesla office and factory daily via mail/email for over a month; factory floor and met key figures including Chief Designer Franz Von Holzhausen

### MISSION TRIP TO GUAM

June 2023

- As part of a team of four, led summer camps for underprivileged kids on Guam and surrounding islands
- Designed and constructed four new 20 foot tall light poles to illuminate basketball court for children
- Rebuilt university and provided disaster relief around island from the worst hurricane in 20 years

## EXPERIENCE

### IPT (Integrated Procurement Technologies) – QA Specialist – Goleta, CA

June 2024 – August 2024

- Inspected aerospace and defense components for clients including International (DCS), Foreign Military Sales (FMS), United States Government (USG), and OEM Partner Services (OPS).
- Verified the presence and compliance of all required documentation to prevent part rejections.
- Led overhaul of backend documentation system, improving cross-department clarity on contract details and reducing parts turnaround time.

### Kids Helping Kids – Chief Financial Officer – Santa Barbara, CA

September 2023 – February 2025

- Managed revenue streams, budgets, and backend (payments, website, etc) for 100% student-run nonprofit
- Led complete sell out of +2,000 seat theater and raised +\$80,0000 in net profit that went directly towards fighting human trafficking and supporting vulnerable children globally. ([Article](#))
- Founded and led the team behind “Call to Give” initiative, raising \$20,000

### Beach Launch Team – Fluids and Propulsion – Long Beach, CA

August 2025 – Present

- Developed rocket engines and fluid systems for cryogenic LOX and kerosene liquid fueled rocket
- Led waterflow test to characterize pressure drop (LOX and fuel), mass flow rate, and CV of system
- Executed successful hot-fire of LR-101 engine, validating system integration, combustion stability, and overall propulsion performance under flight conditions.

### Riviera Robotics – CNC/General Technician – Goleta, CA

October 2021 – December 2021

- Operated CNC machinery to fabricate precision components for F.I.R.S.T. competition-ready robots.
- During competitions, repaired robot and made replacement parts to maintain performance under pressure.

### Operation Christmas Child – Team Leader – Goleta, CA

November 2019 – Current (Seasonal)

- Led teams at sole regional drop-off site handling +5,000 “shoeboxes”-gifts for kids in third world countries.
- Responsible for packing and transporting shoeboxes to central dropoff to be flown to final destination