

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