

Pablo Salamanca

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PROFESSIONAL EXPERIENCE

Oliver Space

Software Engineering Intern

San Francisco, CA

May 2022 – August 2022

- Developed internal tooling for customer experience
- Won internal hackathon by redeveloping website experience
- Contributed to backend logistics codebase

Monarch Tractor

Software and Robotics Engineer

Livermore, CA

March 2020 – July 2020

- Tasked with incorporating stereo depth cameras to route mapping algorithm
- Developed Power Take-Off hand-protection software using computer vision (OpenCV)
- Fragmented computing hardware using NVIDIA Jetson Nano

Canal 13

Web Developer

Santiago, Chile

January 2018 – March 2018

- Developed a website for a new division of Canal 13 centered around robotics and technology

Optimus Meta

Software Developer Intern

Remote

August 2020 – February 2021

- Contributed to startup that built an Objectives and Key Results system in Golang and React.js

EDUCATION

University of Pennsylvania

Bachelor of Science in Engineering, Computer Science

Philadelphia, PA

Expected Graduation: 2025

GPA: 3.8/4.0, Penn Quant Trading Club (Advanced Team)

Andrée English School

High School Diploma

Santiago, CL

GPA: 6.9/7

PROJECTS AND COMPETITIONS

Robotics

Valparaiso, CL - Tokyo, JP

Recruited by a joint team from top Chilean universities to participate in Tokyo two times.

- 2x Latin American Champion, Competencia Robotica UTFSM
- Latin American Silver Medal, Competencia Robotica UTFSM
- 21st Place, All Japan Micromouse and Robotracer Contest
- 57th Place, All Japan Micromouse and Robotracer Contest

Wireless Laser-Gate Track & Field Timing System

- Created ultra-affordable wireless timing system for Track & Field athletes
- Released all the code, PCB designs, 3D designs, and instructions for free on Hackster.io and Arduino Project Hub

Mathematics Olympiad

- Gold Medal National Mathematical Triathlon, Universidad San Sebastián

Go Kart Project

- Designed, welded, and built a front-engined go-kart from scratch in my backyard

ADDITIONAL SKILLS

- Proficient in Python, Java, C (Arduino), C++, Javascript (React, Vue), HTML/CSS, PCB Design (Autodesk EAGLE), Embedded Systems, 3D Modelling (Fusion 360, Autodesk Inventor), Welding and Metalworking
- Fluent in English and Spanish