

Carlo Asam

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Education

University of California San Diego

B.S. Aerospace Engineering (planned switch to Electrical)

Sep 2024 - June 2028, La Jolla, CA

GPA: 3.896/4.000

The Masters School

High School Diploma with Honors in Mathematics & English

Sep 2021 - June 2024, Dobbs Ferry, NY

GPA: 3.97/4.00

Coursework: Calculus I, II, III; Differential Equations; Linear Algebra; Introductory Statistics; Matlab;
Calculus-based physics: Electricity and Magnetism, Mechanics; Aerospace Materials Science; Intro to Aerospace Engineering; Intro to Analog Design

Work Experience

UnternehmerTUM

July 2024, Munich, Germany

Intern

Researching over 200 deep tech startups for incubator programs, evaluating alumni companies' performance based on researched data using Python & Google Sheets, developing comprehensive market analysis reports, writing detailed best-practice manuals for agents in the German startup ecosystem, assisting in organizing and coordinating talks by notable founders and international summits

BMW Mechatronics

July 2022, Munich, Germany

Apprenticeship Intern

Learning soldering, welding, basic circuitry, and metalworking in application to automobiles, experiencing and contributing to car production from the bodywork assembly to the finished product

Project Experience

Triton Unmanned Aerial Systems

Researching and contributing to the development of an aerial mapping algorithm in Python using OpenCV, redoing the ground control station frontend according to new mission objectives incl. displaying and allowing for selection of objects to be tracked by the aircraft and initiating airdrops, working with Typescript and React

Smart Pill dispenser

Analog Ui/Ux lets user input current time, and how many pills to take when in each compartment, which lights up & buzzes at that time & stops once opened, the Ui will display the amount to take, H.A.R.D. Hack 2025

Chrome Extension

An Extension to simplify, translate, and explain highlighted text while reading, using an OpenAI API with responses tailored to page context and specified User role, placed 2nd overall & 1st in utility in a hackathon organized by Stempad(a startup)

Skills

Python, TypeScript, JavaScript, Arduino C, C, Git, Docker, Matlab, 3D printing, welding, soldering, laser cutting, basic circuitry, metalworking, Google Suite, basic CSS & HTML

Awards and Achievements

College: Provost Honors - Fall 2024

Highschool: AP Scholar with Distinction, Yale Book Award, National Honors Society, Award for Excellence in French

Interests

Hiking, chess, skiing, guitar, stocks