



Aleop Tur Garma

Design Engineer

As an experienced Design Engineer with a proven track record in the Automotive Industry, Motorsport and Industrial Design, I bring a wealth of expertise to the table. Proficient with most of CAD tools, I possess the technical skills necessary to excel in complex design projects. Additionally, I have a strong command of the entire Adobe Suite, enabling me to produce compelling visual presentations that effectively communicate design concepts.

Info

Location

Asti, Italy

Email

Aleop_tur@yahoo.es

Number

+39.327.791.5085

Nationality

Spanish

Age

33 years old

Partita IVA

Si

Education

Mar 2014 - Dec 2014

Master In Yatch Design

Istituto Europeo di Design,
Turin, Italy

Feb 2009 - Feb 2012

Bachelor in Industrial and Product Design

Instituto Tecnológico De Santo Domingo,
Dominican Republic

Language

Italian (Fluent)

Spanish (Mother Language)

English (Fluent)

Portuguese (Medium)

Experience

May 2024

Freelance | Turin, Italy

Industrial designer / Design engineer

As a freelance designer, I provide expert consulting services in both design and engineering. My primary focus areas are Product Design, Furniture Design, and Interior Design.

In Product Design, I specialize in working with plastics, particularly through Fused Deposition Modeling (FDM).

I am proficient in a wide range of CAD software and utilize Blender for high-quality final renderings.

Mar 2022 - Dec 2023 (1 years 10 months)

Toyota Material Handling | Bologna, Italy

Design studio Engineer

As the Design Engineer, I oversee the quality and feasibility of design surfaces, ensuring they meet engineering standards. I offer early-stage insights to enhance designs and use computational tools to create intricate patterns. I establish standardized delivery processes and optimize Catia integration for improved parametrization. Additionally, I specialize in engineering interior plastics components, focusing on dashboards, and utilize advanced prototyping techniques to ensure high-quality results.

July 2021 - December 2021 (6 months)

Ferrari GES (with Mechinno) | Modena, Italy

Design Engineer

Contributed to the Ferrari SF21 and 2022 projects by designing a Forward Brake Duct experiment to meet the requirements of the electronics and aerodynamics teams. Additionally, participated in Brake-line design and conducted parametric studies for flexible tube envelopes. Designed brackets for diverse suspension configurations, parts in composite materials, and molds for composite production. Also, oversaw the design and implementation of testing benches including Gearbox, wheel rotation, ovality, and pit stop gun calibration.

May 2019 - April 2021 (2 years)

Lamborghini (with Mechinno) | Sant Agata Bolognese, Italy

Design Engineer/Interior Trims Designer

Contributed to the interior development of the Lamborghini Huracan STO, including dashboard, tunnel, carpet, door panels, trims, and luggage compartments. Collaborated in weekly meetings with the interior team.

Utilized Catia V5 for surface and solid modeling, focusing on composite materials and plastic parts (PC, ABS, POM, PE), as well as sheet metal brackets. Designed parts for rapid prototyping using HP Jet Fusion.

CAD Skills

- CATIA
- Siemens NX
- Fusion 360
- Inventor
- Blender
- Solidworks
- PTC Creo
- PTC Onshape
- Autodesk Alias
- Bambuslicer

Other Skills

- Adobe Illustrator and Photoshop
- Adobe Premier and After Effects
- Figma
- Canva
- GD&T
- CNC Milling
- Mold design
- Fused deposition model

Interest

- Skipper/Sailing
- Arts/Painting
- Writing
- Photography

Experience

Led CAD assembly and kinematics design, including mechanisms for door and glove compartment operation. Supported prototype assembly and maintained 2D drawings, conducting flush and gap studies for precision.

Contributed to the adaptation of the car interior for the Lamborghini Huracan HEV to accommodate a hybrid propulsion system. Designed brackets for securing components to the frame and optimized the luggage compartment to maximize space utilization.

Implemented modifications to the luggage compartment, including reducing its size to create additional space for new components and ensuring water tightness. Additionally, redesigned the compartment for easy access to batteries.

Feb 2019 - May 2019 (3 Months)

Frangivento (with Erre Technology) | Turin, Italy

Design Engineer

Tasked with designing solid parts to complement existing style surfaces for both interior and exterior components. These parts were intended for fabrication in fiberglass and subsequent attachment to the frame.

July 2018 - Dec 2018 (6 Months)

Italdesign (with Erre Technology) | Turin, Italy

Design engineer / Macro feasibility

Engaged in Style Convergence by creating typical sections to ensure compatibility between style surfaces and the platform. Conducted feasibility assessments for exterior front/rear designs, updating typical sections and verifying compliance with dimensions and safety standards, including various safety tests such as Side Pole, Side Mobile Barrier, Full Width Rigid Barrier, and others. Utilized DMU tools to check for interferences.

Evaluated Dashboard and tunnel feasibility by updating typical sections, ensuring adherence to specified dimensions and norms, and identifying any interferences using DMU tools. Additionally, conducted feasibility studies for different technologies and studied tolerances for flush and gaps.

Projects included Audi A3+, Fisker Ocean, FAW/Hongqi H9, and Audi MEB Platform.

Nov 2014 - Jul 2018 (3 year 7 months)

Tecnocad | Turin, Italy

Design Engineer

Mold for foaming real leather dashboard, Jig for airbag pre-trim on dashboard skin, Jig for dashboard boundary trimming and for airbag pre-trim on dashboard skin.

Projects include Alfa Romeo Stelvio, Alfa Romeo Stelvio, Fiat Tipo

CAS surface modeling following car designer instruction and sketches in Alias Autostudio.

Created feasibility studies on plastic components for a luxury segment vehicle. like body in Maserati levante and layout for air conditioning conducts. in ferrari.

Created a concept for automatizing process for direct foaming on a leather dashboard. Designing a Machine to automatize process of attachment between insulation and roof.

Feasibility study dashboard on direct skin foaming in Fiat Doblo

Underbody Layout, various part in cold forming in Fiat Ducato.

In Force Next Generation Mobility, I developed interior trims from style surfaces, including door panels, interior trims, and dashboard. I created 3D models for both prototype interior and exterior at a 1:1 scale. Additionally, I contributed to styling and CAS modeling.

Participated in the development of the interior. Created final 3D models and 2D drawings in Iveco S-Way.