

Andri Cela

Mechanical Design Engineer

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Professional Experience

Mechanical Design Engineer, Giobert 2020 – 2023 | Turin, Italy

- Designed car components (keys, lock cylinders, handles) for the automotive industry.
- Designed for manufacturing technologies, such as Molding, Die Casting, CNC, 3D Printing.
- Lowered product assembly failure rates by performing Chain Tolerance Analysis.
- Ensured product feasibility using Draft Analysis, meeting the client's requirements.
- Performed DFMEA to ensure product functionality and improve production success rates.
- Increased durability of the current products by performing FEA and identifying critical areas.
- Improved client experience by creating interactive 3D models for the assembly process.

Mechanical Engineer, STAR7 2019 – 2020 | Turin, Italy

- Performed removal and refitting procedures for all car components of Ferrari.
- Updated 3D car components using CAD software.
- Created technical documentation for the automotive industry.

Mechanical Engineer, NDT Albania 2018 – 2019 | Tirane, Albania

- Conducted welding inspection for different steel structures, such as: stairs, bridges, and fuel tanks.
- Created quality documents for a series of performed tests, such as: coating, traceability, and welding.
- Provided clients with welding inspection records.

Education

MASTER OF SCIENCE IN MECHANICAL ENGINEERING, 2018 – 2020 | Tirane, Albania
Polytechnic University of Tirana

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING, 2015 – 2018 | Tirane, Albania
Polytechnic University of Tirana

Certificates

CATIA KINEMATICS CERTIFICATE, CADLAND S.R.L. 2022 | Turin, Italy

CATIA FINITE ELEMENT ANALYSIS, CADLAND S.R.L. 2021 | Turin, Italy

CATIA DESIGN CERTIFICATE, MORABITO ROBERTO S.A.S 2020 | Turin, Italy

Skills

Catia V5 | SolidWorks | Siemens Nx | PTC Creo | Python | HTML | CSS | Javascript

Languages

English ● ● ● ● ● Italian ● ● ● ● ●
German ● ● ● ● ●