Elsa Ogreni

Mechanical Engineer

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📍 Patras, Greece

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🪪 SUMMARY

- **Industrial Design:** SolidWorks for 2D/3D Design, Assembly, Sheet Metal, MasterCAM, AutoCAD, TruTops, and BySoft.
- **Project Management:** Experienced in managing high-cost projects, ensuring timely delivery by considering (material cost, technical complexity, and delivery time).
- **Innovative Mindset:** in research of new technologies, and problem-solving, with a successful track record of bringing innovative ideas to fruition.
- **Customer Service Skills:** Excellent communication, collaboration, and customer-facing skills, with a team-first mentality. Have the ability to handle challenging customer situations with ease.

"Hard work and patience lead the way"

I am a highly motivated and enthusiastic Mechanical Engineer, fast learner, a multitasker, and detail-oriented. My passion for learning and skill development keeps me on track with the latest mechanical CAD design programs. I possess a positive attitude, a strong work ethic, and I am a risk taker with the ability to effectively manage challenging situations, including difficult customers and demanding projects. My ambitions are to gain a detailed understanding of my future position with the aim of a managerial role. In the further future, I am planning for Masters's degree in MBA.

🎓 EDUCATION

Sep 2013 – Apr 2021 Patras, Greece	**Bachelor's at Mechanical Engineering,** *University of Peloponnese* ⎘ *Bachelor Thesis on the measurement of calorific value of gaseous fuels using the cone calorimeter method. Developed a methodology for accurate and reliable measurements. Conducted experimental measurements at the Laboratory of Technical Thermodynamics at the University of Patras.* *Extensive focus on Cad design in two semesters* • *Mechanical Engr. Drawing I & II* • *Computer Aid Design CAD* • Computer Air Manufacturing CAM English Language Terminology.
Sep 2013 – Apr 2021 Patra, Greece	**Certificate of Informatics and Computers,** *University of Peloponnese* ⎘ General knowledge gained from specific subjects through my studies • Programming I • Programming II • Mechanical Engineer Drowing II • Computer Aid Design CAD • Computer Aid Manufacturing CAM

Dec 2015
Patras, Greece

Certificate of Proficiency in English, *University of Michigan*

Sep 2018 – Aug 2019
Athens, Greece

Certificate of specialised training in Special Education,
Kapodistrian University of Athens

Enhanced knowledge of catering to students with disabilities by utilizing diverse teaching strategies and interventions to facilitate academic, social, and emotional progress. Proficient in creating tailored education plans and fostering inclusive learning environments.

💼 PROFESSIONAL EXPERIENCE

Apr 2021 – Nov 2022
Patras, Greece

Mechanical Design Engineer, *SKK Metal*

Responsibilities:
- Managed client and supplier communications for steel industry, including orders, technical details, and procurement of iron inventory and related tools.
- Conducted industrial CAD designs using SolidWorks and Mastercam, and prepared designs with Bysoft software for Laser cutting and TrueTops software for Punching machines.
- Prepared project cost estimations, proposals, and completed order pricing.
- Generated invoices using Galaxy My Data software.
- Conducted routine process checks to optimize time management and minimize delays.

Achievements:
- Exceptional track record with customers by optimizing communication and time management.
- Skilled in effective negotiation techniques with suppliers.
- Troubleshooting and proactively seeking out innovative design tools and techniques which improved efficiency by 30%.
- Developed self-automated formulas using Excel for dynamic cost estimation, reducing processing time by 50% and human error factors.
- Successfully advocated for the implementation of Trello for enhanced project management, resulting in improved communication and productivity.

May 2012 – Apr 2021
Patras, Greece

Costomer Service, *Various Employers*

Responsibilities:
- Main waitress.
- Cashier duties.
- Stock management.

Achievements:
- Customers visit due to my polite and lively attitude.
- Great communication between colleagues, fast service.
- Separated the responsibilities depending on the characteristics of my teammates.
- Reliable of large incomes, professional image and calm.

Feb 2020 – Oct 2020
Patra, Greece

Mechanical Engineer, *Region Of Western Greece · Internship* ⧉
- Traffic Light Designs,
- Research on law for citizens' demands,
- Road map designs for Agrinion.

🧠 SKILLS

BySoft
A highly adaptable laser cutting software that specializes in nesting, a cost-efficient process that considers sheet metal thickness and other properties.

MasterCAM
Used mainly for 2D design, doing preliminary work for the Bystronic Laser Cutting Machine software (Bysoft).

TruTops
Proficient in utilizing TruTops for punching processes, a widely used task in my previous company.

Managing High-Cost Projects
Extensive experience managing large-scale projects, including laser cutting 45 tons of aluminum sheet metal, honing attention to detail and stress management skills. Proficient in stock management for various materials in the iron warehouse, such as sheet metal (aluminum, steel, inox, DCP), UPN/IPE profiles, and various hollow structural profiles.

MS Office
Used extensively during work and university.

Multitasking
Successfully delivered time-sensitive proposals for two clients within 15 minutes, while simultaneously ensuring the proper functioning of a laser cutting machine and identifying and correcting a design error prior to production. Demonstrated strong multitasking skills and attention to detail in a fast-paced environment.

Detail-Oriented
My approach to checking involves exploring various methods to reach the desired outcome, rather than simply repeating past actions. By meticulously verifying each step, I ensure the highest level of accuracy and quality in my work. This has resulted in a strong track record of success and a reputation for producing exceptional work.

SOLIDWORKS
Used mostly for sheet metal processing and 3D designs.
Used in self-taught projects (3D designs, assembly, sheet metal)

AutoCAD
Used interchangeably with MasterCAM based on the compatibility of the 2D designs.

People Skills
Proficient in building positive relationships with customers and colleagues, while maintaining individual roles in team environments. Skilled in empathizing with customers and meeting their specific needs. Successfully implemented the Excel formula for cost estimation alongside a colleague, delegating tasks based on each other's strengths.

Process Modernization
Proficient in researching and maximizing software capabilities such as SolidWorks, MasterCAM, and Excel. Developed self-automated formulas using Excel for dynamic cost estimation, reducing processing time by 50% and minimizing human error. Utilized Trello for efficient project management, allowing real-time access to information for multiple parallel orders.

Photoshop, Corel
Basic image editing.

Fast learner
When I first joined the company, I was tasked with learning Bysoft, preparing cost proposals for stock, and managing the invoice process, all within one month before my predecessor left. Despite the challenge, I was able to quickly learn these responsibilities and also identified areas for improvement within the company. I wasted no time and started implementing these changes as soon as possible.

🌐 LANGUAGES

English
Proficient

Greek
Native

German
Elementary

Albanian
Native

Italian
Elementary

📁 PROJECTS

Feb 2023   **Marble Toy** ⧉
Successfully designed and constructed a functional and visually appealing marble toy using SolidWorks, showcasing creativity and proficiency in understanding complex mechanisms and components.

Jan 2023   **V6 Engine** ⧉
Succeeded in designing a functional and efficient V6 engine model in SolidWorks, utilizing technical knowledge and problem-solving skills. Learned intricacies of engine components, mechanics and complex assemblies, demonstrating adaptability and proficiency in a challenging project.

Dec 2022   **Lego Astronaut Minifigure** ⧉
Effectively utilized technical skills to design a Lego Minifigure model in SolidWorks, showcasing proficiency in designing individual parts and working with complex assemblies. Demonstrated creativity and adaptability in a fun and engaging project.

🧩 VOLUNTEERING

Oct 2013 – Sep 2015
Patra, Greece

Kivotos agapis (ark of love), *Teaching and creative activities*
- Teaching kids with special needs.
- Taking care of their needs and entertainment.
- Participated in the creative activities group.

Volunteered in teaching and providing care for individuals with special needs, gaining a profound understanding of their daily challenges and providing emotional support, comfort, and companionship. Organized activities and events to enhance their experience and enjoyment. Developed appreciation for the resilience and strength of the human spirit through this meaningful experience.

🎸 INTERESTS

Sewing
Sewing provided me with a creative outlet and a sense of accomplishment. It is a relaxing, enjoyable activity that can be shared with family and friends. Also provides you with the satisfaction of creating something beautiful and unique.

Reading
I am passionate about reading and the personal growth it provides, including gaining a deeper understanding of topics, developing critical thinking skills, and improving my writing ability. Helps me find joy and relaxation in reading. Favorite authors include Leonardo Mlodinow, Jorge Bucay, Yuval Noah Harari, and more.

Dancing
I am in favor of various dance styles, including salsa, bachata, and swing. Dancing has been an enjoyable way for me to improve my physical fitness while reducing stress and anxiety. It also promotes a sense of joy, confidence, and connection with others.