



DENI MARIC

MBA MENG

<https://www.linkedin.com/in/denimanic>



TECHNICAL PROFICIENCY

- SpaceClaim (SCDM),
- Ansys WB (CFD + FEA),
- AutoCAD, Inventor
- Catia V5,
- SolidWorks,
- ANSYS Discovery Live,
- PipeFlow Expert,
- IronPython for CAE Purposes,
- Matlab
- MS Office (ECDL),
- SCRUM PM Software, ...

TRAINING CERTIFICATES

- Electric cars, Introductory and Technology courses at Delft, 2020
- Aluminum Furnace Brazing, 2019, LucasMilhaupt and Solvay seminars
- Applied Scrum for PM, 2018 University System of Meryland, edX
- A Hands-on Introduction to Engineering Simulations, 2016 Cornell University, edX

LANGUAGE PROFICIENCY

- ✓Croatian: Mother Tongue
- ✓English: Fluent
- ✓Danish: Intermediate

PERSONAL SUMMARY

I am a resourceful, goal-driven, professional with hands-on experience applying high-fidelity engineering simulations in R&D. On top of that I possess comprehensive understanding of project management. In my free time I tend to follow up latest development in the CAE field, go for mountain biking tours or look for next traveling destinations. For the right job, I'm really flexible regarding location. Always hungry and foolish to learn more.

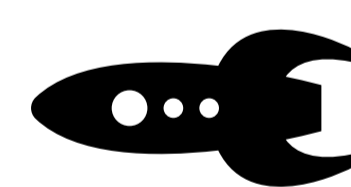
KEY COMPETENCIES

- Proven track record of developing and improving high- end products by strongly emphasising engineering simulations and innovative technologies, such as 3D printing.
- Possess excellent computer aided engineering (CAE), analytical and problem-solving skills to achieve quick and reliable improvements in manufacturing, designing, logistics, and engineering environments.
- Strong expertise in conceptual designs and development, commissioning, sourcing and procurement. Fast and eager to learn. Not afraid to pull an extra mile, to achieve important long-term goals.
- Adept at building and supporting a well-organised teams to understanding of concepts, 3D assemblies and BOM structure for improvement in mechanical machines and product lifecycle.

HONORS & AWARDS

- Rewarded with the 1st place at the Enapter's Hydrogen Generation Challenge - [link](#)

EDUCATION



MBA in Management (MBA, MEng) - 2015

Zagreb School of Economy and Management - Zagreb, Croatia

Master of Mechanical Engineering (MEng) - 2013

University of Rijeka - Faculty of Engineering - Rijeka, Croatia

Bachelor of Mechanical Engineering (BEng) - 2011

University of Rijeka - Faculty of Engineering - Rijeka, Croatia

CONTACT INFORMATION

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Development Engineer

Blue World Technologies ApS (herein as BWT) – Aalborg, Danmark March 2019 - June 2020

Design of various sub-subsystems within BWT. The job itself required advanced CAD, CFD, FEA, HPC, Thermodynamics, Fluid Mechanic skills, together with more general Mechanical Engineering skills. Managing overall project activities, including concept design, CFD and FEA simulations, technical documentation and DFM. High precision designs for CNC machining, precision casting, press forming together with in-depth knowledge of brazing and welding of aluminum components.

Selected Contributions:

- Platform development team member for mechanical development of the innovative Blue Box system to support Power-to-X technology or development of the High Temperature Fuel Cell System (H.T. P.E.M. F.C.)
- Executed design and rapid prototyping of compact and complex heat exchangers emphasizing HPC Multi-physics engineering simulations and innovative SCDM CAD Software.
- Defined brazing procedure specifications (BPS) for aluminum components.
- Involved in 4 different patent applications based on the research done for the company
- Supported agile project management (hybrid SCRUM framework/task management system) to support feasible management of the project.
- Mentored an intern on Master degree project for Aalborg University for 4 months period as a form of internship within BWT.

CAE Engineer

Adapa ApS – Aalborg, Danmark April 2016 - February 2019

Design and redesign of customised double curvature moulds and simulate design by utilising FEA and CFD analysis. Successfully managed overall project activities, including design, technical documentation, assembly, commissioning, and procurement. Build high precision designs for CNC machining, linear actuators and machinery, welding, injection moulding, aluminum and steel structures, elastic composites, high-temperature resistant components, and spring steels.

Selected Contributions:

- Drove mechanical development of the innovative adaptive moulds (3 custom made machines) that brought significant improvements in quality of products.
- Executed rapid prototyping by using 3D printing technologies and engineering simulations to reduce the requirements and time for mock-up tests.
- Enforced agile project management (SCRUM methods/task management system) to ensure successful completion of project within time constraints.
- Sourced another mechanical engineer to increase efficiency of all mechanical tasks, whilst delivering effective training to enhance capabilities of the newly hired mechanical engineer.

Research Assistant

Aarhus University – Aarhus, Danmark July 2015 - April 2016

Collaborated with research team to develop high-fidelity FEA models. Expertly advised and coordinated to design and assembly of machine's parts to maximise productivity of the machines within Adapa Company.

Selected Contributions:

- Conducted R&D on advanced designing processes of customized machines for significant improvements in effectiveness of the product lifecycle management (PLM).
- Reinforced closing of projects regarding improvement of machines designs within budgetary targets.
- Delivered lectures to master level students on theme of numerical simulations in engineering.