



PETAR GAVRAN

MSc in Mechanical Engineering



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LANGUAGES

- **CROATIAN**
- **ENGLISH**
- **GERMAN**

HARD SKILLS

- Robot Operating System (ROS)
- Python
- MATLAB
- Simulink
- ADAMS
- LabView
- Arduino
- SOLIDWORKS
- Catia
- Inventor
- AutoCAD
- Ansys
- 3D Printing Technology
- Microsoft Office
- Linux

SOFT SKILLS

- Communication
- Adaptability
- Responsibility
- Teamwork
- Problem-solving

AWARDS



STEM Scholarship | 2017 – 2021

- Scholarship for Academic excellence
- Performance achieved during studies



Gene Haas SME Scholarship | 2015

- Scholarship for High School excellence
- Among the 15 best students in the school



PROFILE

A highly motivated and accomplished Mechanical Engineer, recently graduated with a Master's degree in Mechanical Engineering from Aarhus University. Specialized in Robotics Technology, Control Systems, and Dynamics. Seeking a challenging role in the Mechanical Engineering field where I can use my strong problem-solving skills and teamwork experience, developed through participation in various engineering projects. My international study experience has broadened my technical perspective and enhanced my ability to work in diverse teams. Eager to contribute to a dynamic team and further develop my professional skills.



EDUCATION

MSc in Mechanical Engineering, Aarhus University, Denmark | 2021. – 2023.

- Projects: Control and Sensing of a Solar House, Robotic automation of pressure check of cooler tubes for Vestas Aircoil A/S, Dynamics of an Elevator with Elastic Ropes, Dynamics of a Wind Turbine, Vehicle Dynamics and Stability
- Master Thesis: "Automatization of chamfering process using robot technology on charge air cooler/EGR for Vestas Aircoil A/S"
- Project Portfolio: Reports for the projects are available in my [Projects Portfolio](#)
- GPA: 9.7/12

BSc in Mechanical Engineering, University in Slavonski Brod, Croatia | 2017. – 2021.

- Experience with programming, CNC machines, 2D/3D design, measurement, control, welding, project documentation
- Bachelor Thesis: Functional analysis and review of riveting joints in construction elements
- GPA: 3.9/5

Technical School Slavonski Brod, Croatia | 2013. – 2017.

- COURSE: Computer Technician for Mechanical Engineering
- Participated in various engineering workshops and exercises.
- GPA: 4.9/5



PROFESSIONAL EXPERIENCE

San Service ApS, Denmark | 2021 - 2023

- Student job in various service industry roles

Intern, ĐĐ Specijalna vozila d.d., Croatia | 2019.

- Internship during BSc degree
- Participated in the process of making the front of the wagon, focusing on robotic welding

Volunteer, Europe House of Slavonski Brod, Croatia | 2013 - 2016.

- Participated in various projects and meetings in Europe and Croatia
- Worked in the organization of projects and group activities

Trainee, Teximp d.o.o., Croatia | 2015.

- Trained in Gom Inspect software for 3D scanning and optical measurement

Intern, Nussbaum Parking GmbH, Germany | 2015

- 3-week professional internship during high school
- Worked in the metalworking department on CNC machining, product measurement, and control