

Dragos Paraschiv

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ABOUT ME

Second-year Mechanical Engineering student at TU/e who learns best by doing. I've always been the person who takes things apart just to see the insides, which naturally led me to engineering. In my free time, I tinker with electronics to see what I can build, and I play squash to unwind. I'm always eager to learn, absorb new skills, and apply my abilities to real-world challenges.

PROFESSIONAL EXPERIENCE

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|---|--------------------------------|
| Albert Heijn Operations, Ahold Delhaize | 11/2024 – Present
Eindhoven |
| • Balance a 20-hour workweek alongside my full-time Mechanical Engineering studies, providing flexible support across multiple store departments. | |
| Teaching Assistant for Calculus II, Eindhoven University of Technology | 09/2025 – 12/2025
Eindhoven |
| • Led weekly group sessions to aid students with mathematical theories and provided academic support to individual students' needs. Assessed student progress through the grading of all coursework, homework assignments, and final course examinations. | |

EDUCATION

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| BSc Mechanical Engineering, Eindhoven University of Technology | 09/2024 – Present
Eindhoven |
| • GPA: 8.0/10 | |
| • Focus on mechanical design, materials science, and developing strong analytical skills for evaluating technical solutions. | |
| High School, "Gheorghe Asachi" Theoretical Lyceum | 09/2021 – 05/2024
Chisinau, Moldova |
| • GPA: 9.5/10 | |
| • Focused on exact sciences, with a concentration in Physics and Mathematics. | |

TECHNICAL SKILLS

Siemens NX (CAD) • MSC Marc Mentat (FEA) • MATLAB • Simulink • Python • Mechanical Design • Material Selection & Structural Analysis

LANGUAGES

Romanian — Native | **English** — C1 TOEFL Examination | **French** — C1 DALF Examination | **Dutch** — A1 University Course

RELEVANT COURSES

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|---|-------------------|
| Mechanics | 11/2025 – 04/2026 |
| • Built a solid foundation in force and moment balancing, had an introduction to FEM, and learned about stress, strain and the relation between them. | |
| Principles of Design and Programming | 11/2024 – 04/2025 |
| • Acquired foundational expertise in mechanical design workflows and computational programming to execute complex engineering simulations. | |

GROUP PROJECTS

- | | |
|--|-------------------|
| Control of a Flexible Robot System | 02/2026 – 04/2026 |
| • Collaborated within a multidisciplinary team to successfully develop and validate a real-time control architecture, integrating MATLAB and Raspberry Pi vision-based feedback to precisely analyze and manage the dynamics of a flexible robotic system. | |
| Multipled robot | 11/2024 – 04/2025 |
| • Collaborated within a team of Mechanical Engineering students to create a robot that was tasked with navigating a pre-determined track. Employed CAD tools for concept validation and 3D printing, as well as Arduino for the control of the robot. | |