

Alejandro Gomez Rivas

For a complete portfolio of my work, please visit my personal website

Visit My Website · Personal Mail · University Mail · GitHub · LinkedIn



MY WEBSITE

- Learn more about me and find a my projects on my self built website:
alejandrogomezrivas.com

WORK EXPERIENCE

- **Research on Battery Health and RUL Prediction** (Sep 2025 – Jun 2026)
Company: Fontys Lectorate Research Group of Energy Transition
Work: Conducted research to develop a model estimating battery State of Health (SoH) and predicting the Remaining Useful Life (RUL) of electric vehicle battery modules.

EDUCATION

- **BSc Automotive Engineering** (Sep 2022– Jan 2026)
Fontys University of Applied Sciences | Eindhoven, Netherlands
Key subjects: Digital electronic circuits, Filter design, Fundamentals of computer science, Engineering management, Integrated devices
- **Pre-Master Mechanical Engineering** (Sep 2024 – Feb 2025)
Eindhoven University of Technology | Eindhoven, Netherlands
Key subjects: Linear Algebra, (advanced) calculus, Linear systems, signals and control, Thermodynamics, Dynamics and control of mechanical systems
- **Minor Telecomunicacion Engineering** (Feb 2025 – Jun 2025)
Autonoma University UAM | Madrid, Spain
Key subjects: Digital electronic circuits, Filter design, Fundamentals of computer science, Engineering management, Integrated devices

SKILLS

- **Languages**
Dutch (native), English (B2), Spanish (native)
- **Programming Languages**
Python, MATLAB, C/C++, Linux, SQL, VHDL
- **Software**
Simulink, Siemens NX, Amesim, AMD/Xilinx, VHDL
- **Other Programs**
Overleaf Latex, Linux, Microsoft office, HTML, CSS
- **Strengths**
Data analysis, Machine Learning, Neural networks, Physics informed neural networks