

VIKTOR BAKACS

MECHANICAL ENGINEER

PERSONAL PROFILE

Passionate mechanical engineer with a flair for creativity, programming, and problem-solving. Eager to collaborate with experienced mentors and apply technical skills to drive innovative solutions. Dedicated to mastering software development and excelling in engineering design.

WORK EXPERIENCE

Design Engineer Trainee

AVL Hungary | Apr 2022 - Feb 2024

- System/Software functional and diagnostic testing
- Python programming
- Node Red User Interface
- Raspberry PI programming
- InfluxDB database management
- CAN, Modbus, MQTT communication protocols
- Creo, Catia
- Measurement data recording
- Jira, Windchill, Citrix

Talent Program

AVL Hungary | Oct 2021 - Jan 2022

- C# programming, UI desing (WPF)
- Save/Export data via XML file

EDUCATIONAL HISTORY

Budapest University of Technology and Economics


MSc in Mechanical Engineering Modelling
Jan 2022 - Jan 2024

Budapest University of Technology and Economics

Bsc in Mechanical Engineering
Sep 2018 - Jan 2022



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SKILLS SUMMARY

- Python, C#, JavaScript
- Node Red, Grafana, InfluxDB
- UI Design, InfluxDB
- Raspberry PI, Linux
- Creo, Solidworks
- Ansys, Matlab, Mathematica
- Microsoft Office knowledge

LANGUAGE SKILLS

- Hungarian (Native)
- English (C1)
- Ukrainian (C1)
- Russian (A1)
- Driving license: AM, B, C