

Achim Goral
Full Stack Developer, Mechanical Engineer
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[Github](#) | [LinkedIn](#)

SUMMARY

Full-stack developer with a background in mechanical engineering. Experienced in Python and JavaScript-based programming, as well as in HTML, CSS and SQL.
Working with microcontrollers and handling sensor data drives my passion to learn more about programming.

TECHNICAL SKILLS

Programming: Python, Django, JavaScript, HTML, CSS, SQL
Mechanical engineering: Solidworks, Fluid mechanics, Thermodynamics, Technical analysis

TECHNICAL PROJECTS

Dreamteam - [Github](#)

Developer portfolio

- Design of the homepage by utilisation of HTML, CSS and Materialize for an appealing look
- Creation of blog articles through a submit function with JavaScript event listeners
- Presentation of the project through short video

EXPERIENCE

Intern and final thesis – Technical mechatronics

IAV GmbH Ingenieurgesellschaft Auto und Verkehr

Gifhorn, Germany

05/2019 – 02/2020

- Supervision and execution of engine test-runs on a transient dynamometer. Important data was collected and documented
- Designing a matrix of variants of particulate mass emissions and SI knocking. Serves as a base for future engine tests
- Data analysis by utilization of state of the art software. Gained new insight into previously unknown knocking phenomena
- Optical investigation on fuel injectors. Determination of spray influence on knocking behaviour

EDUCATION

Full Stack Web Development, Python and JavaScript program

Developers Institute, TLV Coding Bootcamp

Tel Aviv, Israel

01/2021 - 04/2021

B. Sc. Mechanical Engineering – Automotive engineer

Technical University of Braunschweig

Braunschweig, Germany

01/2020

LANGUAGES

German – native speaker, **English** – fluent, **Hebrew** – conversational, **French** – basic knowledge