# YUVAL GRIMBERG

## Mechanical Engineering Graduate

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## Education

**Bsc Mechanical Engineering**                                                    2020-2025
    Ben Gurion University, Be'er Sheva, Israel                Year Of 2025

## Experience

**Head of Path-Planning Team**                                                    2023-PRESENT
    BGR Formula 1 Student Team
Planning and implementing path-finding algorithms into an MPC controller
using the Dynamic Bicycle Model.

**SpaceLab Mentor**                                                              2022-2024
    Ramon Foundation, Horizon Space, Israel's Space Community
Inspiring high-school students about space through project-based learning.

**Combatant, MeitarUnit,IDF**                                                    2014-2017
Full service operating Tamuz missiles in a once classified unit. More Info

**Internship, SCD - Semiconductor Devices**                                      2013-2014
- Wafer characterization
- Clean room duties
- Administrative work

## Volunteer Work

**SpaceIL Educator**                                                            2018-2019

Taught children and teenagers about space exploration, and
aimed to inspire them to pursue careers in STEM fields.

## Relevent Courses

- AI For Developers - The Institute (Langchain, LLM, N8N)          2025
- MicrosoftAI &MLEngineering @ Coursera                            2025
- TensorFlow: Advanced Techniques @ Coursera                      2025
- CS231n: Deep Learning for Computer Vision @ Stanford            2025

## Skills & Interests

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|---|---|
| **Programming** | Python, Matlab, C, C++ |
| **AI** | Supervised & Unsupervised NN, Image Processing, Regression and Classification algorithms. |
| **Engineering Tools** | Control Theory (LQR, Kalman filter), Solidworks, Microcontrollers (Arduino, ESP32). |
| **Other Interests** | Aerospace Engineering, Biological Modeling, Neuroscience |