

# Tom Neumann

Contact information:

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[Github](#)

I am a 17-year-old twelfth grader passionate about software development and technology. I am seeking a position where I can apply my existing skills, expand my knowledge, and acquire new skills while contributing to projects and having fun.

## Programs and Activities

- Alumni of the national cyber program, Magshimim (2022-2025).
- Ort Yad Leibowitz – (2022-current):
  - Excellence class, studying
    - 10 units in Computer Science.
    - 5 units in Math, Physics, English
- First Robotics Competition (FRC) team 5554 The Poros Robotics for 3 years
  - 2022-2023 – Robot software team member.
  - 2023-2024 – Robot software team leader.
  - 2024-2025 – Head of strategy.
  - 2024-2025 – Head and founder of development team.

## Skills

- Programming languages and frameworks – C, C++, Assembly 8086, Python, C#, Java, Flutter.
- Networking (Protocols, Socket programming, and more).
- Information Security - Reverse Engineering using IDA.
- Operating system Internals – Windows, Linux.
- Git.
- Some experience using Docker.

## Projects

- Got – Git clone implementation in C++.
- Scouting app – a Flutter application that allows my FRC team to track the performance of all robots in the competition, and build a successful strategy
- Modify – a simple terminal-based program in Rust with the purpose of helping manage game mods for the game Minecraft

- FRC Winner prediction model – A machine learning model trained on the 2023 FRC game to predict the outcome of a match
- ml-hyperparameters – a basic Python library that allows you to find the best hyperparameters for a simple machine learning model.
- Homework organizer – a program in Python that helps me stay organized on my computer with homework and does all the work for me.

## Hobbies

- Playing the guitar, which allows me to freshen up and stay creative
- Learning about programming, software development and cyber security
- Playing with my 2 dogs

## Languages

- Hebrew – Mother Language
- English – Fluent