

# Tommaso Vaccari

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## Education

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**Politecnico di Milano**

*Bachelor of Science in Software Engineering*

Milan, Italy

2023-Present

## Honors & Awards

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- **Top Freshman Award, Politecnico di Milano (2024)**

Recognized by Politecnico di Milano as one of the best freshmen in Software Engineering.

- **Superhero Valley Mentee (2025)**

Selected among top Italian students for a mentorship program at Superhero Valley, a community dedicated to guiding outstanding computer science students. Received personalized mentorship from experienced mentors working at leading big tech companies to foster personal growth and positive community impact.

## Projects

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**Neural Network for Generating Italian Names** | *Python, PyTorch*

- Built a neural network to generate realistic Italian names, providing a practical example for educational purposes on my blog and deepening understanding of neural network architectures.

**Daily Vocabulary Newsletter** | *Python, Google Docs API, Google Sheets API, Google Cloud Console*

- Developed an automated system to send a daily English vocabulary newsletter, integrating Google Docs for word storage and Google Sheets for subscriber management. Leveraged Python and Google APIs for seamless automation.

**PAC Investment Analysis** | *Python, Flask, Yahoo Finance API*

- Created a web application to analyze PAC investment strategies, calculating growth metrics like returns and loss probabilities. Built with Flask (backend), HTML, CSS, and JavaScript (frontend), integrating historical data from Yahoo Finance.

## Technical Skills

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**Programming Languages:** C, C++, Python

**Frameworks and Libraries:** Flask, PyTorch, TensorFlow, Scikit-learn

**Systems and Tools:** Linux, Git, Google Cloud

**Concepts:** Compiler Design, Operating Systems, Machine Learning, Neural Networks, API Development, Agile Methodology