Vadim HEMZELLEC-DAVIDSON

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Objective: 4–6 month internship in Machine Learning / AI / Data Science   **When:** Spring / Summer 2026

WORK EXPERIENCE

Blockchain AkademIA, Metz - Internship   Jun 2025 - Aug 2025

Contributed to the regional democratization of blockchain and AI by supporting the integration of a new solution within the company and leveraging N8N for automation workflows.

Aerow, Paris - Internship   Jun 2024 - Jul 2024

Conducted an inventory of potential Research Tax Credit (CIR) eligible topics across all areas of expertise at the company.

PROJECTS

Cassiopee project, Télécom SudParis, 2025   🌐
- Assessed anonymized databases for privacy risks using OSINT methods.
- Authored a comprehensive report under supervision of Maryline Laurent (Director, Networks and Telecom Dept.) and Louis-Philippe Sondeck (CEO, Clever Identity).

TIPE: Transport Network Modeling and Optimization, Lycee Fabert, 2023   🌐
- Developed a mathematical and computational model of a transport network using real-world datasets.
- Performed optimization and evaluated model performance.

EDUCATION

2025 - Present	**Ecole Polytechnique**
	Master of Science in Data Science
	Relevant coursework: Advanced learning for text and graph data (ALTEGRAD - MVA), Deep Learning, Machine Learning, Optimization, Reinforcement Learning, Representation Learning, Regression, Classification, Neural Networks
2023 - Present	**Telecom SudParis**
	Engineering degree in Applied Mathematics
	Relevant coursework: Machine Learning, Continuous Optimization for Machine Learning, Stochastic Processes, Bayesian Inference in Markov Models — HMM, Particle Filtering, Applied Statistics
2021 - 2023	**Lycee Fabert**
	Intensive Preparatory Classes (MPSI–MP*), competitive entrance preparation for top engineering schools
2021	**Somerset Virtual Academy**
	Academica Dual Diploma

SKILLS AND INTERESTS

Programming Languages	Python, Java, SQL, C, Bash
Frameworks	Pandas, Scikit-learn, Matplotlib, Numpy, PyTorch
Soft skills	Leadership (Former Vice-President, Sports Committee), Teamwork (member of student associations)
Languages	French (native), English (C1), Spanish (B2)
Interests	AI, Sports (Tennis, Formula 1), Music; Piano (10 years), Audio/Video production (sound manager, Video Club)