

**LINO VALETTE**  
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## EDUCATION

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)

Cambridge, MA

*Candidate for Master of Finance, graduation February 2026*

2024-Present

- Master's level program in Financial Engineering with a minor in Computer Science
- Relevant coursework includes *Financial Data & Optimization, Advanced Machine Learning, Financial Mathematics*

### ECOLE POLYTECHNIQUE (X)

Palaiseau, France

*Engineering Degree – Master of Science*

2021-2024

- Master's level program in Applied Mathematics with a minor in Computational Science
- Ranked top 1% of admitted students at nationwide entrance examinations to the Grandes Ecoles
- Relevant coursework includes *Markets Modeling, Applied Mathematics, Topology, Linear Algebra, Algorithmics*

## EXPERIENCE

### EZPADA COMMODITY TRADING HOUSE

Prague, Czech Republic

Short-term Energy Trading Team

Spring 2024

*Quantitative Researcher – Team under the supervision of Mr. Pierre-Emmanuel Dionnet*

- Developed and back tested quantitative Python models to optimize trading strategies and analyze Energy market trends
- Collaborated with trading teams to provide actionable insights and support real-time trading decisions

### FRENCH NATIONAL SECURITY AGENCY

Paris, France

*Data Scientist/Internal Auditor – Team under the supervision of Mr. J. P.*

Summer 2023

- Coordinated data mining team, implemented in Python and Java an advanced data analysis tool for process automation
- Achieved 89% improvement in data monitoring by using statistical methods

### PARIS FIRE BRIGADE

Paris, France

**Emergency Medical Services vehicle crew leader**

2021-2022

- Commanded a rescue and rapid response vehicle comprising a crew and emergency material equipment for first aid
- Led first responders' team in traffic fatalities, suicide cases, family abuses, DV, apartment fires, cardiac arrest

## RESEARCH EXPERIENCE

### CAPITAL FUND MANAGEMENT (CFM) - X

Paris, France

*Portfolio Optimization – Supervised Dr Jean-Philippe Bouchaud and Mickael Benzaken*

2023-2024

- Implemented in Python econometric and machine learning techniques to optimize asset allocation in investment portfolio
- Measured the impact of trading strategies on the order book and related costs

### SORBONNE UNIVERSITY (ISIR) - X

Paris, France

*Autonomous Robot – Department of Fundamental Science – Supervised by Dr Ludovic Saint-Bauzel*

2023-2024

- Built an Internet of Things structure in python for outsourcing computing and AI gesture recognition models
- Designed an autonomous robot capable of moving on its own, considering its environment and interacting with gestures

### NATIONAL CENTER FOR SCIENTIFIC RESEARCH (CNRS) - X

Palaiseau, France

*Persuasive Technology – Interdisciplinary Laboratory– Supervised by Dr Mehdi Khamassi*

2022-2023

- Evaluated the effects of social media on memory and attention using quantitative optimization methods
- Measured the impact of various social media parameters on addiction and attention span

## ADDITIONAL INFORMATION

- Python, Java, SQL, Visual Studio, Linux
- English, French (native), Spanish (intermediate)
- Head of Social and Political Debate Society
- Advised, tutored and mentored a student from a disadvantaged high school.