

EDUCATION

2021-2026	<p>ECOLE CENTRALESUPELEC, PARIS-SACLAY UNIVERSITY: 12TH IN 2022 (QS) GPA: 3.9</p> <p>Bachelor and Master of Engineering: 2nd in France, 1st worldwide in mathematics (2022)</p> <ul style="list-style-type: none"> Statistics, Probability, Stochastic Finance, Machine Learning, Partial Differential Equations, Optimization, Stochastic Calculus and Risk Modelling, Control Theory Quantum computer research project, Algorithmic, Graph theory 	PARIS, FRANCE
2023-2024	<p>ESSEC BUSINESS SCHOOL</p> <p>Master in Management: 2nd worldwide in 2024 (QS ranking). Business management in Asia.</p> <ul style="list-style-type: none"> Macroeconomics, Microeconomics, Finance and. Technical cases 	SINGAPORE
2020-2021	<p>STANISLAS: PREPARATORY CLASS PSI* GPA: 3.9</p> <ul style="list-style-type: none"> Intensive course in Mathematics, Physics, Algorithmics, Industrial Engineering, Computer Science and humanities 	PARIS, FRANCE

PROFESSIONAL EXPERIENCES

2024 July- December	<p>TOBAM – Asset Management</p> <p><i>Quantitative researcher intern</i></p> <ul style="list-style-type: none"> Research and aggregation of the geographic origin of revenues of US/worldwide companies with EDGAR, the API of the SEC and Bloomberg to confirm or refute the TOBAM's LBRTY® Quantitative Investment Strategy. Improvement of the QIS with computation of Authoritarian Exposure score. Portfolio strategy creation with quantitative rolling out-of-sample in returns replications of Net Asset Values of Small and Mid Cap Europeans funds based on countries-specific and cap-weighted indexes. Use of time decay. AQR factorial Analysis. Study of cointegration theory, and implementation of price replication after an augmented Dickey-Fuller unit root test (ADF). Responsible for analyzing the biodiversity impact of investment strategies.. 	NEW YORK, UNITED STATES PARIS, FRANCE
2023 September-January	<p>AVOLTA PARTNERS – Mergers and Acquisition</p> <p><i>Data Scientist intern</i></p> <ul style="list-style-type: none"> Programming. Used and trained an Large Language Model, machine learning, to generate company valuations from shareholders' reports. <p>Skills developed: API management, use of OCR and NLP for data recognition.</p>	PARIS, FRANCE
2023 September-January	<p>QUANDELA – Photonic Quantum Computers company</p> <p><i>Researcher intern</i></p> <ul style="list-style-type: none"> Creation and optimization of a cluster state generation algorithm for Measurement-Based Quantum Computing. Photonics research project for MBQC. Algorithmic work on graph theory. 	PARIS, FRANCE
2022-2023 September- November	<p>CENTRALESUPELEC – Computer Science Department</p> <p><i>Teaching assistant for the Information Science and Programming course</i></p> <p>Created and taught tutorials about SQL, Python and Git.</p>	PARIS, FRANCE
2022 July-August	<p>EAGLE ISLAND CAMP – American Summer Camp</p> <p><i>Grove Leader</i></p> <p>Supervised counselors and children</p>	SARANACLAKE NY, US

DISTINCTIONS/PROGRAMMING PROJECTS

2022-2023	<p>BCG AND QUANTX: QUANTUM COMPUTING HACKATHON</p> <p>Algorithmic work on graph theory. Programmed a quantum algorithm that calculates the Value At Risk. Ranked in the top 5.</p>
2022	<p>BLOCKCHAIN FOR AUTOMATIZED RENTING</p> <p>Deployed a blockchain using smart contracts to automate rent renewal.</p>
2022	<p>HSBC: EMPIRICAL ASSET PRICING VIA MACHINE LEARNING</p> <p>Implemented Linear Regression, Neural Networks, Random forest, Gradient Boosting, PCR and PLS. Studied optimization, Statistics, Probability.</p>
2022	<p>JAVA: PROGRAMMING THE SOKOBAN GAME CENTRALESUPÉLEC</p> <p>Object oriented programming.</p>
2021	<p>CODING WEEKS INSULT DETECTOR ON TWITTER CENTRALESUPÉLEC</p> <p>Use of an API provided by Twitter to collect tweets massively and analyse them with a NLP module.</p>

LANGUAGES, COMPETENCES

Languages	<p>French: native language</p> <p>German: full professional capacity, work experience in Germany</p>	<p>English: full professional capacity, TOEFL: 96</p> <p>Mandarin: HSK1</p>
Competences	<p>Microsoft Office (Word, Excel, PowerPoint)</p> <p>Programming Languages: Python, MATLAB, JavaScript, Java (Sokoban Game)</p>	<p>Driving license</p>

MISCELLANEOUS

Sports	<p>Squash – French National Cup in 2022 (President of the Squash Club of CentraleSupelec)</p> <p>Sports – football, basketball, tennis, skiing, climbing, scuba diving (Padi Open Water)</p>
Associations	<p>Treasurer of the CentraleSupelec Finance Association</p> <p>Member of Automatants, the artificial intelligence association of CentraleSupelec</p>
Hobbies	<p>Cello (10 years), Literature, Press, Geopolitics</p>