

Paul Archer

📍 London, UK ✉ paul.archer25@imperial.ac.uk ☎ +33 7 83 07 69 68 🔗 [LinkedIn](#) 🐙 [GitHub](#) 🌐 [Website](#)

EDUCATION

Imperial College London, UK <i>MSc Mathematics and Finance</i>	2025 – 2026
Télécom Paris, France <i>Engineering Degree (Stochastic Modelling & Data Science)</i>	2023 – 2026 GPA: 3.95/4.0
Lycée Henri IV, Paris <i>Classes Préparatoires MP* (Mathematics & Physics)</i>	2021 – 2023 Top 5% Nationally

TECHNICAL EXPERIENCE

WorldQuant BRAIN Platform <i>Alpha Signal Developer</i>	September 2025 Remote
<ul style="list-style-type: none">Developed 15+ profitable trading signals with combined Sharpe ratio of 2.1, specializing in momentum, mean reversion, and microstructure patterns across global equity markets.	
VibeMatch (AI Startup) <i>Co-Founder & Technical Lead</i>	Summer 2025 Paris, France
<ul style="list-style-type: none">Developed proprietary ML algorithms analyzing behavioral patterns and content alignment signals, achieving 89% collaboration success prediction accuracy with sub-0.5 second processing of complete user profiles. Website 🌐	
Henri Mondor Hospital - AP-HP <i>Data Engineering Intern</i>	Summer 2025 Créteil, France
<ul style="list-style-type: none">Engineered automated data pipeline processing 10,000+ patient records with time series forecasting models and NLP techniques applicable to financial data analysis.	
Sopra Steria <i>Systems Engineering Intern</i>	Summer 2024 Courbevoie, France
<ul style="list-style-type: none">Designed quantum optimization algorithms using cold atoms computing (Pasqal) for network resource allocation, implementing mathematical models for complex optimization problems 🧠.	

TECHNICAL PROJECTS

COMPETITIONS

Optiver Ready Trader Go & QuantConnect Alpha Competition	September 2025
<ul style="list-style-type: none">Built high-frequency trading algorithms with microsecond latency optimization and alternative data integration for systematic alpha generation.	

TECHNICAL SKILLS

Programming: Python (NumPy, Pandas, PyTorch, QuantLib), C++, R, MATLAB, SQL, JavaScript/TypeScript
Systems: PostgreSQL, Redis, Docker, Linux, Kubernetes, GCP, REST APIs, WebSocket, Real-time Systems
Languages: French (Native), English (C2), German (B2)

LEADERSHIP

General Secretary, Forum Télécom Paris	2024
<ul style="list-style-type: none">Led cross-functional team of 48 members across logistics, finance, marketing, and partnerships, coordinating €300K budget for largest student career fair with 80+ companies and 1,000+ attendees, generating €100K profit and featured in Forbes interview.	