Alexander Mascolo

🌐 https://amascolo.github.io   ✉ alexander.mascolo@gmail.com

PROFILE	Strong coding and analytical skills · 8+ years experience at startups and trading desks.

EXPERIENCE

Senior Research Engineer — 2025 – present
Blok Intelligence Inc. — SAN FRANCISCO 🇺🇸
- Building agentic systems alongside behavioral scientists.
- Raised $7.5M to accelerate software testing (🆃🅲 TechCrunch).

Research Engineer — 2021 – 2023
Tably — LONDON 🇬🇧
- Applied R&D for large-scale distributed stream processing.
- Implemented conflict-free replicated data types (⊙ otto).

Software Engineer — 2019 – 2020
Gyana — LONDON 🇬🇧
- Greenfield development of high-performance analytics libraries.
- Raised $3.9M to democratize data science (🆃🅲 TechCrunch).

Quantitative Developer — 2015 – 2019
Macquarie Group — LONDON 🇬🇧
- Responsible for live strategies and the backtesting engine.
- Desk role in Quantitative Investment Strategies (◉ QIS).
- Hired after off-cycle internship in Options Market Making.

EDUCATION

MSc (by Research) Computer Science — 2024 – 2025
University of Edinburgh — EDINBURGH 🇬🇧
- Fully funded, systems research on compilers for data science.
- Open-sourced a query engine with code generation (⊙ sdql).

BSc (Hons I) Computer Science — 2011 – 2015
Australian National University — CANBERRA 🇦🇺
- Thesis on theoretical computer science and microeconomics.
- National Merit Scholarship (top 0.35%), prize winner (🏛 ANU).
- Taught classes on logic, formal methods, information theory.

Summer School in Logic and Formal Epistemology — 2013
Carnegie Mellon University — PITTSBURGH 🇺🇸
- Fully funded, seminars on statistical machine learning.

CODING	Python ●●●●◐ · Rust ●●●○○ · Scala ●●○○○ · C++ ●○○○○
CITIZENSHIP	🇦🇺 Australian 🇬🇧 British 🇮🇹 Italian · 🗺 US E-3 visa holder · 📍 based in San Francisco.