# Alexander Mascolo

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

| | |
|---|---|
| **PROFILE** | Strong coding and analytical skills · 10+ years in academia, trading desks, and startups. |

**CURRENT ROLE**

*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**

*MSc (by Research) Computer Science* — 2024 – 2025
**University of Edinburgh** — EDINBURGH 🇬🇧

- Industry-sponsored research on compilers for data science.
- Open-sourced a query engine with code generation · ⭕ sdql

**PREVIOUS ROLES**

*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**

*BSc (Honors) 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.