





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-funded research on compilers for data science.
- Open-sourced a query engine with code generation · 


PREVIOUS ROLES *Research Engineer* 2021 – 2023
Tably LONDON 


- Applied R&D for large-scale distributed stream processing.
- Implemented conflict-free replicated data types · 


Software Engineer 2019 – 2020
Gyana LONDON 


- Greenfield development of high-performance analytics libraries.
- Raised \$3.9M to democratize data science · 

Quantitative Developer 2015 – 2019
Macquarie Group LONDON 

- Responsible for live strategies and the backtesting engine.
- Desk role in Quantitative Investment Strategies · 
- 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.