

ALEXANDER MASCOLO

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PROFILE	Strong coding and analytical skills · 10+ years at deep tech startups and trading desks.	
CURRENT ROLE	<i>Senior Research Engineer</i> Blok Intelligence	2025 – present SAN FRANCISCO 
	<ul style="list-style-type: none">• Bridging the gap between research and engineering.• Raised \$7.5M to accelerate software testing ·  Blok• Currently building agentic systems and evaluations.	
RESEARCH	<i>M.S. Computer Science</i> University of Edinburgh	2024 – 2025 EDINBURGH 
	<ul style="list-style-type: none">• Industry-sponsored research on compilers for data science.• Open-sourced a query engine with code generation ·  sdql• Preprints on  <u>programming languages</u> and  <u>database systems</u>.	
PREVIOUS ROLES	<i>Research Engineer</i> Gyana & Tably	2019 – 2023 LONDON 
	<ul style="list-style-type: none">• Applied R&D for large-scale distributed data processing.• Raised \$3.9M to democratize data science ·  Gyana• Developed high-performance analytics libraries ·  otto	
	<i>Quantitative Developer</i> Macquarie Group	2015 – 2019 LONDON 
	<ul style="list-style-type: none">• 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	<i>B.S. Computer Science</i> Australian National University	2011 – 2015 CANBERRA 
	<ul style="list-style-type: none">• Thesis on theoretical computer science and decision theory.• National Merit Scholarship (top 0.35%), math prize ·  ANU• Taught classes on logic, formal methods, information theory.	
	<i>Summer School in Logic and Formal Epistemology</i> Carnegie Mellon University	2013 PITTSBURGH 
	<ul style="list-style-type: none">• Fully funded, seminars on statistical machine learning ·  CMU	
CODING	Python     · Rust    · Scala    · C++   	
CITIZENSHIP	 Australian  British  Italian ·  US E-3 visa holder ·  based in San Francisco.	