

# ALESSANDRO FACCHIN

alessandro.facchin@outlook.com

(+39) 348 6488652

alefacchin.com

## WORK EXPERIENCES

### Prometheus Technologies Inc.

Aug. 2020 - Today

*Ethos and Portfolio Management, Investment Director*

- Fintech startup based in California, aimed at democratizing personalised asset-management;
- Design and implementation of the Ethos engine, generating tailor-made portfolios based on the values of each customer;
- Design of the proprietary Portfolio Management platform, a scalable framework based on blockchain and digital-assets;
- Managing remotely a diverse group of experienced investment professionals and developers.

### Aberdeen Standard Investments

Aug. 2018 - Aug. 2020

*Investment Innovation, Investment Analyst*

- Scenario stress-tests, dimensionality analysis and risk hedging on multi-asset portfolios worth £200bn;
- Data pipeline and automated execution for a suite of macro systematic machine-learning funds;
- Design of retail and institutional multi-asset funds with market-leading financial performances and enhanced ESG properties;
- Maintenance of an ecosystem of microservices within a cloud-based containerized infrastructure.

### Aberdeen Standard Investments

June 2018 - Aug. 2018

*Investment Innovation, Intern*

- Monte-Carlo simulations on macro strategies, entropy-based portfolio diversification, multi-asset risk hedging;

### Credimi

Feb. 2018 - May 2018

*Lending Team, Intern*

- Design and development of Credimi's Accounting Rating, estimating one year probability of default with ensembles of trees;
- Systematic financial, anti-fraud and anti-money laundering analysis on small and medium enterprises.

### MIP Politecnico di Milano

Jan. 2017 - July 2017

*ERP Project, Intern*

- Business analyst in the cross-functional project team in charge of implementing SAP S/4 HANA.

## EDUCATION

### University of Edinburgh

Sept. 2019 - Aug. 2021

*Master of Science with Distinction, Artificial Intelligence*

*GPA: 76*

- AI core topics: Deep Learning, Pattern Recognition, Reinforcement Learning, Autonomous Agents;
- Complementary topics: Computational Cognitive Neuroscience, Neural Computation, Genetic and Evolutionary Algorithms.
- Thesis topic: Modelling Latent Variables Related to Behaviour in Neural Populations (using VAEs, RNNs and primates data).

### Tsinghua University

Sept. 2017 - Feb. 2018

*Exchange Student, Economics & Management*

*GPA: 3.9/4*

- Team leader in four projects with international teams, touching different aspects of finance, management and operations.

### Politecnico di Milano

Sept. 2015 - July 2018

*Bachelor of Science, Management Engineering*

*110 cum laude/110*

- Awarded with the scholarship *Best Freshmen of Academic Year 2015/2016*;
- Topics: Supply Chain Management, Manufacturing, Business Management, Project Management, IT Management.

## LANGUAGES

Italian  
English  
Spanish

Native proficiency  
Full professional proficiency (C2)  
Elementary proficiency (B1)

## TECHNICAL STRENGTHS

Strong  
Intermediate  
Basic

Python, PyTorch, TensorFlow, MS Office, GCP, SQL, REST API  
Kafka, Docker, Neo4j, InfluxDB, Matlab, Bloomberg, GraphQL  
C#, JavaScript, CSS, TypeScript, R, Kubernetes

## CERTIFICATIONS

Investment Management Certification

April 2019