ALESSANDRO FACCHIN

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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 - Sept. 2021
Master of Science, Artificial Intelligence   *Current GPA: 77*

· 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   *Overall 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   *Final grade: 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	Native proficiency
English	Full professional proficiency (C2)
Spanish	Elementary proficiency (B1)

TECHNICAL STRENGTHS

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

CERTIFICATIONS

Investment Management Certification   April 2019