

Davide Ferretti

davide.ferretti.j@gmail.com +39 (331) 438-6924 github/davidizzle

Education

Imperial College London

London, UK

M.Sc. in Control & Optimization Engineering, 1st Class with Distinction

2020–2021

- Project Manager for university Energy Club on renewables, in collaboration with Vattenfall AB on their Wales assets – team presented results to UK country manager
- Internship in B2G / B2B consulting technology firm for digital and AI transformation

Polytechnic Institute of Turin

Turin, IT

B.Sc. in Electrical & Communications Engineering, Top 2% of 2019 Class

2016–2019

- 91% of tuition covered by several merit scholarships, 3 awarded to 200/6000 top-performing students in class
- Selected among 60/7000 students for international excellence M.Sc. joint degree with fellow universities

Experience

Leonardo, Electronics (BIT: \$LDO.MI)

Rome, IT

Software Engineer (C++17)

Sep 2024–Current

Jr. Software Engineer

Sep 2023–Sep 2024

Key division of Italian blue-chip company leading revenue growth, deploying and selling RADARs worldwide

- Improved new RADAR precision and reliability by meaningful margin by spearheading analyses that uncovered and resolved significant undetected errors in the older deployed iteration — proposing improvements
- Enabled testing to be faster, easier, and ubiquitous – shortening time to market by ~10%
- Led team of junior hires to build a simulation tool for training and learning purposes

Exor Capital (Euronext: \$EXO.AS)

London, UK

Equities Analyst

Jan 2022–Apr 2023

Youngest analyst in a hedge fund which has outperformed MSCI World Index and grown in AUM by >300% to date

- Explored and led coverage of a new pharmaceutical stock, delivering a 90% profit on a ~10 USDm investment
- Established the first-ever team benchmark for stock exploration efficiency featured in weekly report to CEO John Elkann, analyzing time management and idea generation patterns within the front-office team
- Proactively built in-house tools for automated data extraction which reduced manual time effort by 90% on routine updates – prompted by provider's repeated failures to deliver quality data

Skills

Skills: Financial modeling and valuation (DCF, multiple-based, trading comps), financial statement analysis, Bloomberg Terminal, alternative data extraction and analysis

Tech skills: C++ (CMake), Linux, Java, Python (Pandas, Numpy, scikit-learn, TensorFlow, Jupyter), JavaScript, SQL, Julia, Git, Docker, Matlab (Simulink)

Certs: AWS Cloud Solutions Architect Associate, AWS Cloud Practitioner, Cisco Certified Network Associate

Languages: Italian (Native), English (Native equivalent), Spanish (Intermediate)

Additional

- **Google Summer of Code 2024**, JuliaLab at MIT Mar 2024–Nov 2024
 - Building Dagger.jl, library for High-Performance Computing infrastructure optimized for real-time data streams and large datasets in Julia
- AFS Full Year Scholarship awardee (3/400 applicants) and exchange student in a US High School
- Merit-based selectee at Collège des Ingénieurs (150/1400 candidates) – international institution fostering management skills, entrepreneurship, and leadership
- Winner of several mathematics and physics regional competitions, top 100 in Math National finals