

Tommaso Scarlatti

Contacts: scarlattitommaso@gmail.com | +39 333 6234056

LinkedIn: <https://linkedin.com/in/tommasoscarlatti>

Website: <https://tmscarla.com>

WORK EXPERIENCE

Amazon Web Services (AWS)

Asti, Italy

Software Development Engineer II

09/2020 – Present

- Transformed AWS ParallelCluster UI from experimental UI into a fully supported Open Source product, streamlining High-Performance Computing (HPC) cluster setup and management for customers. This effort led to the rapid acquisition of over 60 external corporate customers within the initial two months of the product's launch.
- Designed a CI/CD solution which improved release time of EnginFrame legacy product from 4 hours to 15 minutes
- Refactored the legacy service responsible for generating licenses for both EnginFrame and NICE DCV products, by introducing IaC through CDK, adding redundancy for compute and persistency layer and creating a monitoring system

Technologies: Java, Python, TypeScript, React, Docker, AWS, GitHub Actions

FAWLTS (From Alumni With Love To Students)

Remote

Head of Technology

01/2021 – Present

FAWLTS is an NGO that bridges the gap between schools and the job market, helping students understand their aspirations and equipping them with critical cross-disciplinary skills, contributing to reduce the incidence of NEET among under 30s.

- Setup IT infrastructure with tools such as G Workspace and Slack for seamless communication and collaboration
- Created an internal API and CRUDL admin panel to have a centralized view of resources and key metrics
- Currently leading a small team of engineers to develop a full-stack solution to reduce our reliance on third-party services

Technologies: NestJS, React, GraphQL, Docker, GitHub Actions, Firebase, Heroku, CloudFlare, DigitalOcean

EDUCATION

HARVARD UNIVERSITY

Research Fellow
Master's Thesis in Data Science

Cambridge, MA

10/2019 – 03/2020

POLITECNICO DI MILANO

MSc Computer Science and Engineering
Final grade: 110/110 with honours

Milan, Italy

09/2017 – 06/2020

UNIVERSITY OF FLORENCE

BSc Computer Science and Engineering
Final grade: 107/110

Florence, Italy

09/2014 – 07/2017

ACHIEVEMENTS

LeadTheFuture Mentorship

Remote

- Selected among few Italian students to be mentees for LeadTheFuture, a leading mentorship non-profit organization for students in STEM, with acceptance rate below 20%.

09/2020 - Present

2nd Place ACM RecSys Challenge 2018 by Spotify

Vancouver, BC

- Ranked 2nd in the Creative Track as the official team of Politecnico di Milano among 100+ teams.
- Developed and presented a model for music recommendation in a playlist continuation scenario.

10/2018

PUBLICATIONS

Semi-supervised Neural Networks solve an inverse problem for modeling Covid-19 spread

Proceedings of the Conference and Workshop on Neural Information Processing Systems 2020, December 06-11, 2020.

Artist-driven layering and user's behaviour impact on recommendations in a playlist continuation scenario

Proceedings of the ACM Recommender Systems Challenge 2018, p.1-6, October 02-07, 2018, Vancouver, BC, Canada.

SKILLS

Language: Italian (Native), English (C1 level), French (A1 level)

Programming: Python, Java, Javascript, SQL, Bash, Latex, HTML, CSS

Technologies: AWS (EC2, ECS, S3, APIGW, CDK, DynamoDB), Docker, GitHub, React, Flask, Node.js, MongoDB, JUnit, Jest