

Tommaso Scarlatti

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EDUCATION

HARVARD UNIVERSITY

Visiting Student Researcher
Joint Master's Thesis in Data Science

Cambridge, MA
10/2019 - Present

POLITECNICO DI MILANO

MSc Computer Science and Engineering
GPA: 28.60/30.00

Milan, Italy
09/2017 - Present

UNIVERSITY OF FLORENCE

BSc Computer Science and Engineering
Final grade: 107/110

Florence, Italy
09/2014 - 09/2017

ACHIEVEMENTS

2nd Place ACM RecSys Challenge 2018 by Spotify

Vancouver, BC
10/2018

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

PUBLICATIONS

Artist-driven layering and user's behavior impact on recommendations in a playlist continuation scenario
Proceedings of the ACM Recommender Systems Challenge 2018, p.1-6, October 02-02, 2018, Vancouver, BC, Canada

WORK EXPERIENCE

Tenbuilders

Web developer

Florence, Italy
09/2015 - 09/2017

- Founded and developed a platform (frontend and backend) to help students to find selected tutors
- Wrote and implemented scripts to enhance user experience and managed MySQL database

PROJECTS AND RESEARCH EXPERIENCE

Datashack (Python): Multidisciplinary Project

- Selected for Datashack 2019: a Harvard University - Politecnico di Milano joint program on Data Science
- Improved departures estimation accuracy for Alpitour Travel Group using time series forecasting models
- Collaborated with designers to integrate the software pipeline with a web interface

Oris-tool (Java): BSc Thesis

- Analysis and development of a software component for interactive visualization of stochastic Petri nets
- Developed an API to be integrated inside Oris tool and a GUI using Java Swing

Travlendar (Swift, Laravel): College Project

- Designed and developed the front-end of the iOS native application
- Integrated Google Maps API and Uber API to retrieve information concerning available travel options

Distributed Engine (Java): College Project

- Built a Big Data (batch and stream) processing engine using Akka toolkit
- Implemented a REST API to connect with the system, submit new jobs, and monitor the state of the platform

Home Hub (Python): Personal Project

- Set up a web server on a Raspberry Pi using Django and styled the website using Bootstrap
- Developed a REST API to connect the hub with external services and devices

SKILLS

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

Programming: Python, Java, C, SQL, Bash, Latex, HTML, CSS, Recommender Systems, Machine Learning