Tommaso **Scarlatti**

Contacts: scarlattitommaso@gmail.com
Website: https://tmscarla.com
LinkedIn: https://linkedin.com/in/tommasoscarlatti

EDUCATION

HARVARD UNIVERSITY	*Cambridge, MA*
Research Fellow	10/2019 – 03/2020
Master's Thesis in Data Science	

POLITECNICO DI MILANO	*Milan, Italy*
MSc Computer Science and Engineering	09/2017 – 06/2020
Final grade: 110/110 with honours	

UNIVERSITY OF FLORENCE	*Florence, Italy*
BSc Computer Science and Engineering	09/2014 – 09/2017
Final grade: 107/110	

ACHIEVEMENTS

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.   10/2018
- 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 02-07, 2018, Vancouver, BC, Canada

WORK EXPERIENCE

Tenbuilders	*Florence, Italy*
Web developer	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