

# Tommaso Scarlatti

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## WORK EXPERIENCE

**Amazon Web Services (AWS)**  
Software Development Engineer

- HPC platform and Ops-fix

**Asti, Italy**  
09/2020 - Present

**Tenbuilders**  
Web Developer

- Founded and developed a platform (frontend and backend) to help students to find selected tutors

**Florence, Italy**  
09/2015 - 09/2017

## 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 - 09/2017

## ACHIEVEMENTS

**LeadTheFuture Mentorship**

- 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%.

**Remote**  
09/2020 - Present

**2nd Place ACM RecSys Challenge 2018 by Spotify**

- 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.

**Vancouver, BC**  
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.*

## PROJECTS

**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

## SKILLS

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

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