

Thomas Pellegrini

@pellegrinithomas1@gmail.com

www.thomaspellegrini.com

Italy

EXPERIENCE

Junior Data Engineer

Quantyca Data at Core

03/2021 - Ongoing Monza, Italy

I built ETL pipelines in Pyspark and deployed them to AWS environment.

EDUCATION

Master's Degree in Computer Science

University of Milan - Bicocca

2018 - 2021 Milan, Italy

- Thesis on the automatic generation of test cases for software enforces.
- Relevant Coursework: Cloud Computing, Internet of Things, Data Technology.

Bachelor's Degree in Computer Science

University of Milan - Bicocca

2015 - 2018 Milan, Italy

- Thesis on the development of a cross-platform application with React Native for my university.

PROJECTS

Test4Enforcers (Android)

- Built tool for automatic generation of test cases for software enforcers that can be used to modify the runtime behavior of Android applications to guarantee that relevant correctness policies are satisfied.

IoT Based Smart Weather Station

<https://github.com/ThomasPellegrini/Smart-Home-IoT>

- Built IoT project based on NodeMCU, Python server, MySQL db, MQTT protocol and a Telegram bot.
The goal of this project is to make a temperature/humidity/ambient light/rssi monitor that wirelessly logs the values to a remote server. This system can be controlled with a Telegram bot and a web client.

React Native News App

<https://github.com/ThomasPellegrini/University-News-App>

- Built React Native news app that displays news articles from Bicocca University.

Sorting Visualizer

<https://github.com/ThomasPellegrini/SortingVisualizer>

- Built React application for visualizing sorting algorithms (Merge Sort).

LANGUAGES

Italian

Native

English

Proficient

SKILLS

Languages

Python

Pyspark

Java

Javascript

Databases

MySQL

NoSQL (MongoDB)

Frameworks

React

React Native

Other

Git

Scrum

AWS

Docker

SOFT SKILLS



Team Work

Worked effectively as part of my team at the Startup Weekend Milan 2019 and had to be adaptable to meet the needs of the team.



Communication

Confident verbal communication skills as demonstrated delivering presentations at university. Audiences ranged from small groups to numbers of up to 50 people.