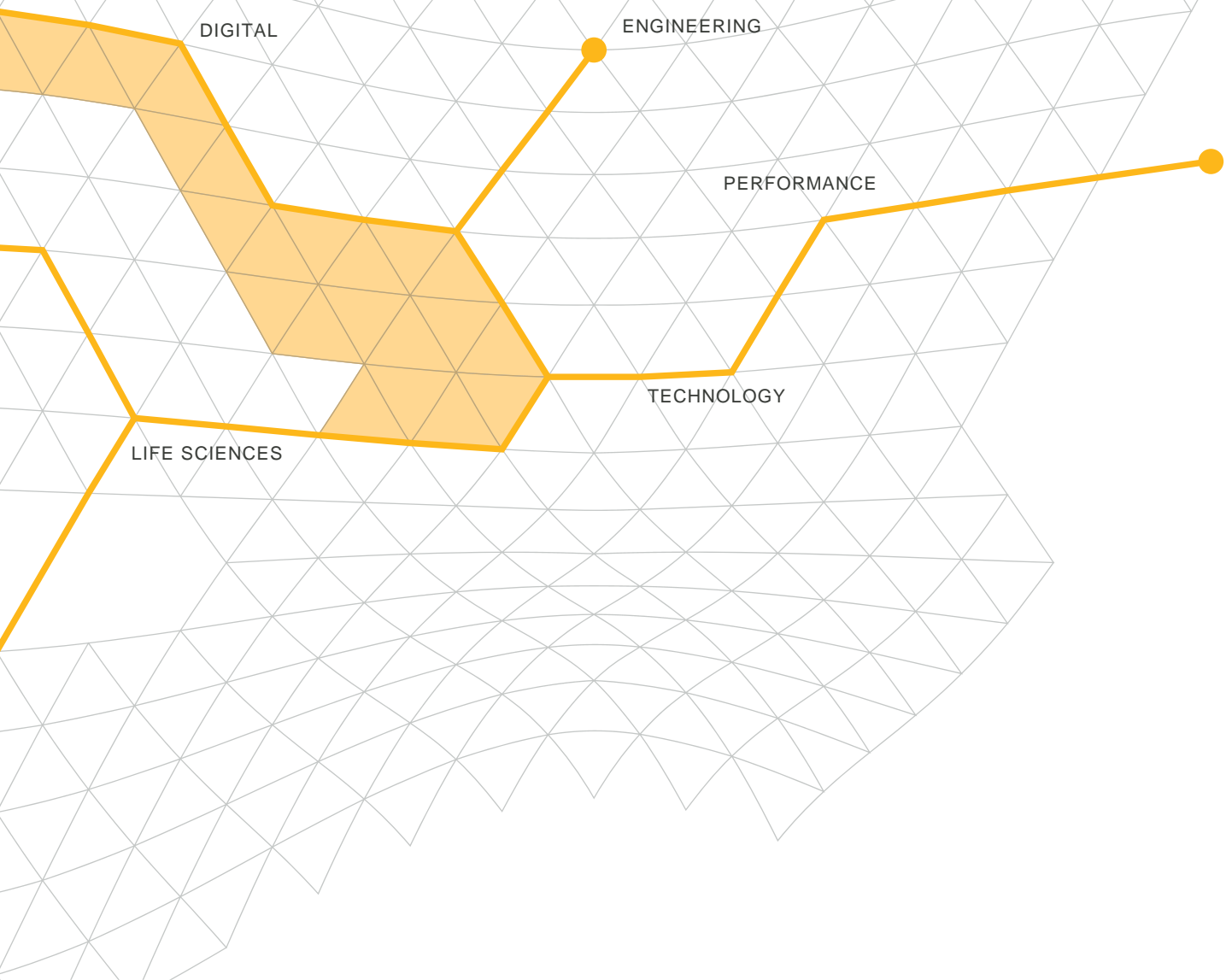


MARCO TURETTA





PERSONAL INFORMATION

Marco Turetta

Italy, Como, CO, 22100

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Marco3.turetta@mail.polimi.it

<https://www.linkedin.com/in/marco-turetta/>


Studies: Bachelor of computer science engineering, currently enrolled in Master of computer science engineering(Artificial Intelligence specialization)

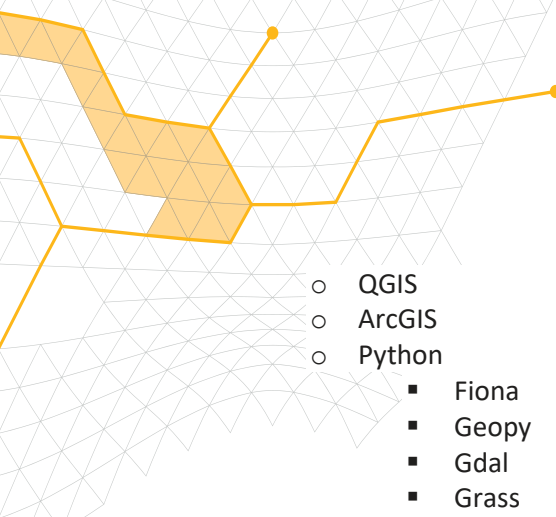
Years of experience: 3

Technical knowledge regarding Java

- JDBC
 - all the functionalities to interface with the db
- RMI
 - Implemented into a CRM
- JSP
 - Used as backend for a crowdsourcing website combined with Java Servlet
- XML
 - Used in all java projects as well as in android native
- Hibernate
 - Use in combo with Spring to persist data on database in applications
- Spring
 - Used to build strong and scalable applications
- Tomcat
 - Server used in all my java applications

Technical knowledge regarding GIS

- Vector analysis
 - Different file type handled(osm, shp, csv database)
 - Different operations and anlysys computed
 - From basis analysis i.e. intersection, plotting; to complex analysis, i.e. complex GIS functions
 - Raster analysis
 - Conversion from shapefiles to raster
 - Matrix of distances
 - Other basic operations
 - Open Street Map interfacing
 - API
 - Osm dataset processing
 - Technical skills
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- QGIS
 - ArcGIS
 - Python
 - Fiona
 - Geopy
 - Gdal
 - Grass
 - Shapely
 - R
 - PostGIS+PostgreSQL
 - Machine learning for classification and automation of data processing
 - Recommender systems to suggest points of interests

Technical knowledge regarding Website development

- API REST
- Asynchronous development (Promises, observables..)
- Continuous Integration
- BLoC Pattern
- MVC pattern
- Website app design
- Testing
- Docker
- Technical skills
 - Mobile:
 - Android (framework Flutter, ionic framework, REACT native)
 - Firebase
 - Backend:
 - Java Servlet Pages
 - NodeJS (Express, knexJS)
 - PHP(Laravel)
 - Python(Django)
 - ORM:
 - JPA per Java
 - Knex for NodeJS
 - Frontend (Web)
 - ReactJS/Redux
 - AngularJS
 - Angular
 - Typescript
 - Javascript libraries
 - Jquery
 - Bootstrap(and CSS)
 - Git
 - GIS
 - Qgis

- 
- Python libraries
 - Shapely
 - Gdal
 - Fiona
 - Geopandas
 - geopy

Technical knowledge regarding Website and Mobile app development


- API REST
- Asynchronous development (Promises, observables..)
- Continuous Integration
- BLoC Pattern
- MVC pattern
- Mobile app design
- Testing
- Docker
- Technical skills
 - Mobile:
 - Android native
 - Flutter
 - Ionic
 - React Native
 - Firebase
 - Backend(Web):
 - Java Servlet Pages
 - NodeJS (Express, knexJS)
 - PHP(Laravel)
 - Python(Django)
 - ORM:
 - JPA per Java
 - Knex for NodeJS
 - Frontend (Web)
 - ReactJS/Redux
 - AngularJS
 - Angular
 - Typescript
 - Javascript libraries
 - JQuery
 - Bootstrap(and CSS)
 - Git



PROFESSIONAL EXPERIENCES

From 2017 to 2018

AIR s.r.l

- Development of Web platforms:
 - PHP
 - AngularJS
 - Bootstrap
 - Data manipulation:
 - MySQL
 - NoSQL
 - Excel
 - Development of Mobile Apps
 - Requirements analysis and specification
 - RASD document
 - Design definition
 - UML Diagrams
 - Implementation
 - Ionic framework
 - Testing
 - Communication with clients
 - Team managing
- 



From 2019

Data Scientist

Gilytics

- GIS
 - Analysis of GIS data to help the building of infrastructures
- PostgreSQL
- Machine Learning
 - Random Forest
- Python
- Docker
- Django




From 2017

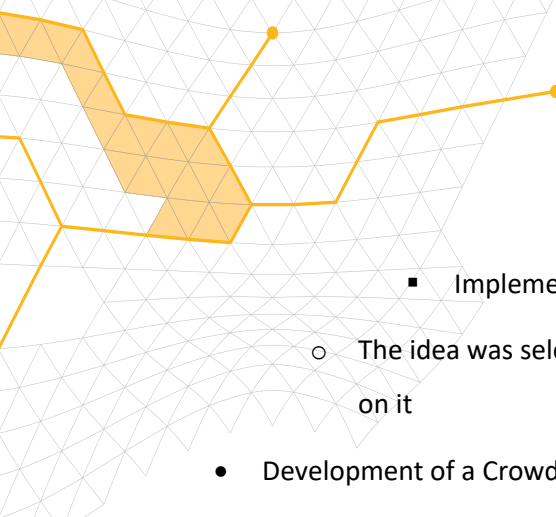
Freelance

Mobile developer

- Development of Mobile Apps
 - Requirements analysis and specification
 - RASD document
 - Design definition
 - UML Diagrams
 - Implementation
 - Ionic framework
 - Android
 - Flutter
 - React Native
 - Testing
 - Communication with clients
 - Team managing

PERSONAL PROJECTS


- Development of an early prototype for a recommender system based tourism app
 - Design thinking of the idea; it was a personal innovation born from the challenge of using urban paths classification.
 - Context and requirements development
 - Production of a concrete business plan
 - Project pitch
 - Early prototyping
 - Design of 156 pages of app
 - Implementation of a recommender system with Python
 - Implementation of an API with Swagger and Flask
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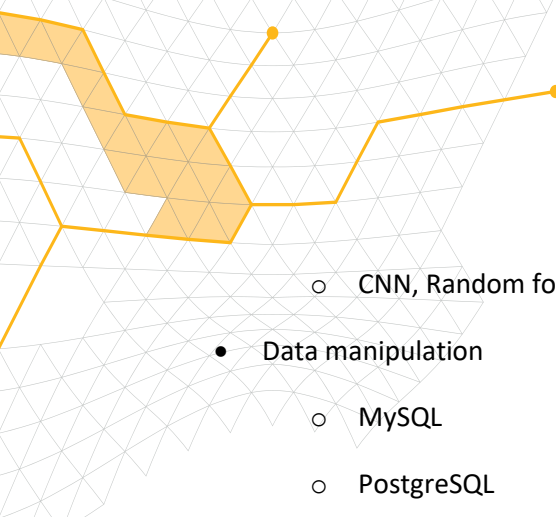
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- Implementation of a basic React Native app
 - The idea was selected and presented to a tour operator, and I am still working on it
 - Development of a Crowdsourcing platform
 - Simple crowdsourcing platform to allow user to recognize mountains in pictures
 - JSP on back-end
 - JQuery and HTML5 on backend
 - The website was then used to collect datasets of mountains for machine learning techniques
 - Development of an e-commerce
 - Simple B2C developed for university
 - NodeJS on back-end with KnexJS+Sequelize to handle the db
 - API implementation done with Swagger
 - Bootstrap and JQuery on front-end

SMALL PROJECTS

From 2014

University

- Development of Web platforms
 - Java Servlet Pages
 - NodeJS
 - Javascript
 - HTML
 - CSS
 - Machine learning projects and scripting
 - Python
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- CNN, Random forest, Bert
 - Data manipulation
 - MySQL
 - PostgreSQL
 - NoSQL
 - Development of softwares
 - Concept design
 - Requirements analysis and specification
 - RASD document
 - Design definition
 - DD document
 - UML Diagrams
 - Implementation
 - Java RMI
 - Java RPC
 - Testing
 - Junit
 - Development of small games
 - C++
 - Qt

VOLUNTEERISM

- Co-founded Mundus NGO
 - Volunteer at expo 2015
 - Volunteer in Africa in Kenya
 - Participated in numerous youth exchanges
 - Volunteer teacher at my high school
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