

Emanuele Viglianisi – Résumé

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Education

2016-2018 MSc. in Computer Science at the University of Trento - full marks with honours

Machine Learning, Big Data, Data Mining
Security Testing, Computer Vision, Distributed Systems

2013-2016 Bachelor of Computer Science degree at the University of Catania - full marks with honours
Object Oriented Programming, Algorithms, Software Design, Internet Security

Experiences

March 2018 - Now Software Engineer and Research Assistant at Fondazione Bruno Kessler (FBK)
I work on a EIT Digital project, developing a new state-of-the-art tool to test RESTful API.
Previously, I worked on my master thesis "*A Federated Society of Bots for Smart Contract Testing*" under the supervision of Prof. Paolo Tonella and Dr. Mariano Ceccato.
Technologies: Python, Z3, Blockchain (Ethereum), Solidity, Web3JS, Truffle Framework, Node.JS, Java, Gradle

Mar-Jul 2016 Internship and Bachelor thesis at JOL WAVE TIM on the project The Social Picture
Thesis: *Mobile Interface for acquiring images, automatic tagging and captioning.*

I have been **Microsoft Student Partner** since 2015, giving presentation about new technologies, organising tech events, mentoring and working with other MSPs around the world.

I enjoy taking part in tech events and proving my abilities in hackathons. I won, together with my team, two prizes in the *Hack.Developers 2017* hackathon in Trento with a *Python* and *Angular* web application.

Projects and Skills

I'm a student and developer, passionate about open source, hackathons and new development tools. My projects are focused on data analysis, web and mobile applications. You can find most of them on my Github page. Here are some of the most recent and interesting ones:

- **Distributed Virtual Synchrony multicast communication in Akka** (Akka, Java)
- **Urban land use classification using Word2Vec** (Python, Gensim, GeoPandas)
- **Topic extraction and analysis from big logs of HTTP requests:** (Python, Gensim, PySpark, Azure HDInsight, SparkStreaming, Hadoop, GeoPandas)

Python, Javascript/Node, C#, Java, Node:	● ● ● ● ○	Git, Github,
Angular, React, Ionic, Android:	● ● ● ● ○	Window, Linux, Team Working,
Docker, .NET core and ASP.NET:	● ● ● ● ○	Microsoft Office and LibreOffice
CUDA, C, C++,	● ● ● ● ○	
Ruby, SQL, Spark, Hadoop:	● ● ● ● ○	