

Emanuele Viglianisi – Résumé

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Education

- 2016-2018** MSc. in Computer Science at the University of Trento
Machine Learning, Big Data, Data Mining
Security Testing, Computer Vision, Distributed Systems
- 2013-2016** Bachelor of Computer Science degree at the University of Catania with full grades (110/110 cum laude)
Object Oriented Programming, Algorithms, Software Design, Internet Security

Experiences

- Mar-Oct 2018** Internship and Master thesis at Fondazione Bruno Kessler (FBK)
I'm working on my master thesis "A Federated Society of Bots for Smart Contract Testing" in Fondazione Bruno Kessler under the supervision of Prof. Paolo Tonella and Dr. Mariano Ceccato.
I'm developing a smart contracts testing framework using the following technologies:
Technologies: Python, Z3, Blockchain (Ethereum), Solidity, Web3JS, Truffle Framework, NodeJS
- 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, C#, Java:	● ● ● ● ○	Git, Github,
Node, Docker, .NET core and ASP.NET:	● ● ● ● ○	Window, Linux, Team Working,
Jquery, Angular, React, Ionic, Android:	● ● ● ● ○	Microsoft Office and LibreOffice
CUDA, C, C++,	● ● ● ○ ○	
Ruby, SQL, Spark, Hadoop:	● ● ● ○ ○	