

Emanuele Viglianisi – Résumé

Address	Linz, Austria	LinkedIn	emanuele-viglianisi
Date of Birth	6 th January 1995	Twitter	@emavgl
Nationality	Italian	Skype	emavgl
Mobile Phone	+39 346 60 82 382	Github	github.com/emavgl
Email	emavgl@gmail.com		

I'm a Data and Software Engineer working on Cloud solutions for processing streaming of data and deploying data products. I'm passionate about Python and I love working on innovative data-driven applications.

Experiences

- 2020 - Now** **Data Engineer at Runtastic GmbH**
I'm working on migrating our existing on-premise analytics architecture (Hadoop, Impala, Data Warehouse) to the cloud (Databricks, Azure).
Technologies: Python, PySpark, Databricks, Microsoft Azure
- Sep-Dec 2019** **Teaching assistant for the master course Security Testing**
I taught part of the master course titled "Security Testing" at the University of Trento. I had to teach OWASP top 10 vulnerabilities and how to write automatic test-cases using Selenium to attack and assert the fix of the vulnerable applications.
- 2018 - 2019** **Software Engineer and Researcher at Fondazione Bruno Kessler (FBK)**
I worked on a European funded project (EIT Digital) in the fintech domain. I developed a new state-of-the-art blackbox testing tool to run functional and security tests on RESTful APIs. Previously, I worked on a block-box security testing tool for Ethereum Smart Contract.
Technologies: Python, Z3, Blockchain (Ethereum), Solidity, Web3JS, Truffle Framework, Node.JS, Java, Gradle, Swagger, Docker, JUnit

I like having side-projects to gain new skills and concretize personal ideas and ambitions. My projects are focused on security testing, data analysis, web and mobile applications. Most of them are available on my Github page.

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

Publications

- RESTTESTGEN: Automated Black-Box Testing of RESTful APIs (**Distinguished Paper Award**)
E Viglianisi, M Dallago, M Ceccato, 2020 IEEE 13th International Conference on Software Testing, Validation and Verification (ICST)
- A federated society of bots for smart contract testing
E Viglianisi, M Ceccato, P Tonella, Journal of Systems and Software, 110647

Conferences and Webinars

- Developing ML-enabled Data Pipelines on Databricks using IDE & CI/CD at Runtastic.
Data+AI Summit Europe, 2020-11-18 and Webinar, 2020-10-20, Emanuele Viglianisi, Michael Shtelma