

#Vincenzo Musco

Software Engineer

📍 London, UK
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🌐 vmusco.com
📄 vincenzo-musco
🔑 v-m (gitlab/github)

Data-driven software engineer interested in real-world challenges to tackle. Curious and passionate, I like picking up new frameworks and technologies. Based in London, but keen to move around the world for my next challenge.

Experience

Revolut Ltd.

Software Engineer 📍 London, UK

Jun 2019 – Current

- Designing algorithms and infrastructure intended to entity resolution;
- Engineering automation algorithms and microservices used for identity investigation;

🐍 Python – Pytest – 🐳 Docker – 🌐 Kubernetes – ☁ GCP – 🗄 Postgres – Pandas – 🧠 Sklearn – Jupyter

Data Engineer 📍 London, UK

Mar 2019 – Jun 2019

- Building core infrastructure libraries;
- Designing microservices used for account balance management;

🐍 Python – 🍷 Flask – Pytest – 🐳 Docker – 🌐 Kubernetes – ☁ GCP – 🗄 Postgres – Exasol – 🏠 Teamcity – ETL – 🌊 Airflow

New Jersey Institute of Technology

Software Engineer Postdoc 📍 Newark, NJ

Jul 2017 – Dec 2018

Cybersecurity Research Center

- Building a Python framework for Android bytecode static analysis;
- Reverse engineering Android bytecode for security breaches and malware detection;
- Classification of bug patterns for bug characterisation;
- Clustering Algorithm Performance Analysis;
- Building an Android bytecode and sourcecode warehouse using various scrapping techniques;
- Mentoring M.Sc. and Ph.D. students.

🐍 Python – 🤖 Android Bytecode – 🧠 Sklearn – 📄 Jupyter – Matplotlib – ETL

Charles de Gaulle University – Lille III

Research Software Engineer PhD Candidate 📍 Lille, FR

Nov 2013 – Nov 2016

Self-adaptation for distributed services and large software systems / Sequential Learning

- Building a Java framework for static software analysis;
- Applying graph theory for Change Impact Analysis and Fault Localization;
- Modeling software graph theoretical topology;
- Teaching/mentoring B.Sc. and M.Sc. students.

🐍 Python – ☕ Java – 📄 Jupyter – Matplotlib – JUnit – Pandas – Static analysis – Mutation Testing – ETL

TIBCO Orchestra Networks

Software Engineer Intern ↗ Paris, FR

Apr 2013 – Sep 2013

Engineering from start to end the versioning feature for EBX5 (TIBCO Data Management proprietary software)

📄 Java – UML – JUnit – EBX5

French Ministry of Higher Education, Research and Innovation

Front-End Developer ↗ Remote, FR

Mar 2013
Jun 2012 - Aug 2012

Developing a web mobile application using HTML5 technologies used nationwide to prepare the C2i certification.

📄 HTML5 – 📄 CSS3 – 📄 Javascript – 📄 jQuery

HEPL

Software Architect Intern ↗ Liege, BE

Feb 2009 – Jun 2009

Working on a Proof-of-concept intranet for the university campus: front-end and back-end software engineering, networking, security and Belgian Electronic ID card integration.

📄 Java – Cryptography – Networking – BeID Card

Education

2016 Ph.D. in Software Engineering

🏛️ University of Lille ↗ France

2013 M.Sc. in Software Engineering

🏛️ University Paris Diderot ↗ France

2009 B.Sc. in Computer Science

🏛️ HEPL ↗ Belgium

2009 B.Sc. in Networking & Security

🏛️ University Grenoble Alpes ↗ France Erasmus

Languages ×

French ▶▶▶▶

Italian ▶▶▶▶

English ▶▶▶▶

German ▶▶▶▶

📅 Updated: 2020-03-23.