Francesco **Fattori**

SOFTWARE APPLICATION ENGINEER @ TESLA

Born in Verona 🇮🇹 *Living in Berlin* 🇩🇪

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Education

University of Pisa
Pisa, Italy

MASTER'S DEGREE IN COMPUTER SCIENCE
Oct 2020 - Oct 2022

- ICT Infrastructures, Software Engineering, Database Management
- **Thesis**: Exploiting Neural Networks and BLE in IOT Devices for Accessibility (*pdf*)

University of Verona
Verona, Italy

BACHELOR'S DEGREE IN COMPUTER SCIENCE
Sep 2017 - Oct 2020

- **Thesis**: Web Platform for the European project "FARm" aiming to prevent illegal hiring and manage the unemployed workforce supply.

Skills

Languages Mother tongue Italian, Fluent English

DevOps Docker, Git, VMs

Front-end HTML, Bootstrap, Angular, jQuery, AJAX

Programming Python, Go, JavaScript, Java, PHP, SQL

Experience

T **Tesla**
Berlin-Brandenburg, Germany

SOFTWARE APPLICATION ENGINEER
Sep 2023 - Present

- Designing and implementing systems used to improve production takt time (*GoLang, Kafka*)
- Managing the system design of the factory AI Vision platform and integration with internal systems (*Python*)

ASSOCIATE SOFTWARE APPLICATION ENGINEER
Nov 2022 - Sep 2023

- Supporting through tickets the internal systems for warehouses and production lines at Gigafactory Berlin-Brandenburg
- Building integration and automation software to improve production (*Python, Angular*)
- Handing the QA and Deployment on Kubernetes of internal applications

Formula SAE with E-Team Squadra Corse (University of Pisa)
Pisa, Italy

CAR SOFTWARE MANAGER AND ASR
Oct 2021 - Aug 2022

- I was in charge of the Driverless system's computer and of the deployment of each piece of software. I also took care of the online cloud services (website, webmail, openproject, GitLab) and during the races I was the Autonomous System Responsible.
- Technologies: *ROS, C++, Docker, Linux Environment* – Skills: *Team-working* and *Working under Pressure*

University of Pisa
Pisa, Italy

TEACHING ASSISTANT OF "ADVANCED SOFTWARE ENGINEERING" MASTER COURSE
Sep 2021 - Dec 2021

- Topics: *GitHub in a team, Microservices, Security in distributed applications, Fog Computing*

University of Pisa
Pisa, Italy

SOFTWARE ENGINEER PART-TIME
May 2021 - Aug 2022

- *Project 1*: Redesigned and rewrote an existing Proof-of-Concept web app. This project aimed at collecting anonymously various metrics from the students, such as daily study time, mood, etc. to increase the users' productivity and awareness and provide feedback.
- *Project 2*: Designed and built from scratch a web app for a research project to raise awareness on renewable energies and energy communities
- Technologies: *HTML, Bootstrap, JavaScript, PHP, Doctrine, Docker* – Skills: *Team-working*

RBRVerona Srl
Verona, Italy

WEB DEVELOPER
Feb 2018 - Sep 2020

- I designed and maintained several websites focusing on the customers' needs (HTML5 w/ Bootstrap or WordPress)
- Built some internal tools for the company to speed up workflows

Projects

WalletInsights

PERSONAL PROJECT

- Personal finance tracking with banks integration to automatically fetch transactions and categorize them using a AI NLP model
- Technologies: *Angular, GoLang, MySQL, PyTorch*