

Stefano Ivancich

SOFTWARE ENGINEER

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Work Experience

Uber

Amsterdam, Netherlands

SOFTWARE ENGINEER

01/2023 - current

- Developed and maintained the payment experience and checkout backend systems, ensuring seamless and secure transactions for over 25 million payments per day.
- Developed new service to handle checkout with 2-factor-authentication payments
- Working with Go, SQL, Python, Java and Kafka

Uber

Amsterdam, Netherlands

SOFTWARE ENGINEER INTERN

07/2022 - 01/2023

- Developed a dashboard to monitor payment methods adopted by users/country/line of business helping leadership making smarter business decisions.
- Improved error messages for payment failures.

Amazon Web Services

Berlin, Germany

SOFTWARE ENGINEER INTERN

03/2022 - 06/2022

- Worked for the **Lookout for Metrics** web service that automatically detect anomalies in metrics and identify their root cause.
- Integrated monitoring to an existing machine learning pipeline to simplifying debugging.
- Worked on a proof of concept for a system that recommends where to place advertisements inside videos.

Education

University of Padova

Padua, Italy

MSC IN COMPUTER ENGINEERING

10/2019 - Present

- Coordinated Telegram groups of 1000+ students in order to help them collaborate
- Organized Lecture notes, exercises and sum-ups for 19 courses enabling students to achieve higher grades [\[Link\]](#)
- **Main courses:** Web Applications, Big Data, Machine Learning, Deep Learning, Advanced Algorithms, Distributed Systems, Internet of Things and Smart Cities, Operation Research 1 & 2, Innovation, Entrepreneurship, Finance, Strategic Enterprise Management

University of Padova

Padua, Italy

BSC IN COMPUTER ENGINEERING

07/2019

- **Main courses:** Artificial Intelligence, Databases, Data structures & algorithms, Operative Systems, Computer architectures, Control Theory, Electronics, Discrete Math, Probability, Linear Algebra, Calculus 1 & 2, Physics 1 & 2, Project Management, Business Administration
- **Thesis:** Alzheimer diagnosis with Deep Learning. [\[Code\]](#) [\[Paper\]](#)

Projects

Web Platform for the Mathematical Optimization of the Traveling Salesman Problem

PYTHON, FLASK, C, CPLEX, HTML5, CSS, BOOTSTRAP, JAVASCRIPT

- Deployed a Web Platform that uses 26 Heuristic algorithms to solve the TSP problem, far just 1% from the optimum. [\[Code\]](#) [\[Demo\]](#) [\[Paper\]](#)

eCommerce and Dashboard for Internet of Things

JAVA, JAVASCRIPT, HTML5, CSS, SPRING BOOT, REACT, POSTGRESQL, MATERIAL-UI, DOCKER

- Developed and Deployed an Online platform that allows to buy IoT sensors and monitor them trough a dashboard, awarded as best project of the course. [\[Code\]](#)

Web Plagiarism Detector

PYTHON, ADVANCED ALGORITHMS, HTML5, BOOTSTRAP 5, JAVASCRIPT

- Designed advanced pattern matching algorithms and deployed a Platform that finds similarities between documents in order to detect plagiarism. This is the number 1 free plagiarism detector (as 2021). [\[Code\]](#) [\[Demo\]](#)

Web API to SMS

JAVA, JAVASCRIPT, NODEJS, ANDROID

- Built a system that takes API calls and sends SMS. Capable of saving up to 95% of costs comparing to all other online similar services. [\[Code\]](#)

Airbnb clone

POSTGRESQL, HTML5, PHP, BOOTSTRAP, CSS

- Coded a clone of the Airbnb website as the final project for the Database course, awarded as best project of the course. [\[Code\]](#) [\[Report\]](#)