

Demetrio Carrara

DevOps Engineer, Web Developer, Development Tools Enthusiast

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Education

09/2018 - 07/2020 **Msc. in Informatics (Double degree with Milano-Bicocca)**
USI - Lugano, CH
Attended in English. Graduated with 110/110 cum laude.
Thesis work involved developing a Graph Neural Network which predicts the Free Energy value of a molecular conformation.
Relevant courses: Software Analytics, Visual Analytics, Cyber-Physical Software Engineering.

09/2015 - 07/2018 **Bachelor in Computer Science**
Università Degli Studi di Milano-Bicocca, IT
Graduated with 110/110 cum laude.
Thesis work involved developing a Natural Language Processing model, using graph theory, to attribute the correct meaning, based on the context, to words in sentences.

Work history

07/2020 - current **DevOps Engineer**
OperCredits, Zurich (CH)
Responsible for AWS Cloud infrastructure (using Terraform).
Implemented review deployments using Slack and Gitlab CI integration (both front & back end)

02/2018 - 08/2019 **Web Developer**
2program, Milan (IT)
Worked in my free time while studying at university. Designed and implemented complex web applications (OAuth, single APIs layer for different clients, Stripe payments) both front and back end using Laravel and VueJS.

05/2018 - 08/2018 **Open Source Web Developer**
Google Summer of Code
Reimplementation of WikiToLearn website, linked VueJS frontend with the microservice-oriented Java backend. Optimized performance and implemented unit/integration/end-to-end testing using Cypress.

06/2012 - 08/2018 **Barman**
Albergo Ristorante Luisella, Bergamo

Skills

Development tools Git, Docker, Gitlab CI/CD
Web Development VueJS, TailwindCSS, Svelte, Laravel, MySQL
Generic languages Bash, C++, Python, Java
Other Common Lisp, Prolog

Languages

Italian (native speaker) - **English** (C1)