

Marco Andrea Limongelli

COMPUTER SCIENCE STUDENT · UNIVERSITY OF PADUA

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Education

University of Padua

Padua, Italy

MASTER'S DEGREE IN ARTIFICIAL INTELLIGENCE

October 2022 - September 2024

- **Relevant coursework:** Artificial Intelligence, Computability, Machine Learning, Vision and Cognitive Systems, Web Information Management

University of Padua

Padua, Italy

BACHELOR'S DEGREE IN COMPUTER SCIENCE

October 2019 - July 2022

- **Final grade:** 110 Cum Laude - Highest honors
- **Relevant coursework:** Algorithms & Data Structures, Object Oriented Programming, Software Engineering, Cybersecurity, Databases, Web Technologies, Automata and Formal Languages, Operations Research, Operative Systems

Work Experience

Amazon

Luxembourg, Luxembourg

SOFTWARE DEVELOPMENT ENGINEER INTERN

April 2022 - July 2022

- Worked on a REST API used by an Amazon Transportation Services internal platform which handles Petabyte data volumes, integrates with a network of transportation services worldwide and drives business decisions impacting millions of customers and billions of dollars a year
- Improved API availability **from 99,14% to 99,9%**, by migrating from a Relational Database (Amazon Aurora) to a NoSQL Database (DynamoDB), measured by the shorter API downtime
- Reduced AWS databases costs **by 30%**, by designing the new DynamoDB database reducing the number of queries needed to get data
- Reduced API response time **by 20%**, by introducing the new DynamoDB database, measured by the shorter response time with DynamoDB
- **Leveraged knowledge** in Java, REST API, Algorithms & Data Structures, Databases, AWS Technologies, CI/CD

PizzaBull

Venice, Italy

FREELANCE SOFTWARE ENGINEER

May 2021 - July 2021

- Worked on a Web Application used by the restaurant for the home deliveries
- Improved riders efficiency **by 20%**, by implementing an heuristic algorithm that matched the orders to the riders
- Reduced data redundancy **by 15%**, by redesigning the database, measured by comparing the previous DB size with the current one
- **Leveraged knowledge** in Java, Algorithms & Data Structures, Databases, Graphs, MySQL, Operations Research - VRP problem

Adam|factory

Venice, Italy

SOFTWARE DEVELOPER INTERN

October 2018 - November 2018

- Developed a Cross Platform Application (Android, iOS and Windows Phone) using Xamarin.Forms
- Reduced splash screen loading time **by 25%**, by optimizing the functions at the app launching, measured by the shorter loading time after changes
- **Leveraged knowledge** in C#, Git, Xamarin.Forms, MySQL

Projects

LoginWarrior

Padua, Italy

SOFTWARE ENGINEERING PROJECT - GITHUB.COM/LIMO01/LOGINWARRIOR

May 2022

- Projected and developed a React application to plot different types of charts using Design Patterns
- **Technologies used:** React, Javascript

Object Recognizer

Venice, Italy

COMPUTER VISION PROJECT - GITHUB.COM/LIMO01/OBJECT-RECOGNIZER

October 2021

- Developed a Python script that allows to train a model and use it to recognize objects using the camera
- **Technologies used:** Python, OpenCV, Scikit-learn

LazyCardGame

Padua, Italy

SOFTWARE ENGINEERING PROJECT - GITHUB.COM/LIMO01/LAZY-CARD-GAME

February 2021

- Projected and developed a card game and designed the GUI
- **Technologies used:** C++, QT framework

More projects can be found on my GitHub profile (github.com/Limo01)

Honors & Awards

2021	1000€ - Scholarship "Incentives for Scientific Degrees" , Merit-Based Scholarship awarded to the best Scientific Degrees students (~ top 3%)	Padua, Italy
2021	Cyberchallenge , Represented Ca' Foscari University in the Italian Cybersecurity challenge: Cyberchallenge 2021. Out of almost 5,000 participants, only the best 650 people were selected to participate in the event in Italy (acceptance rate of 13,70% .)	Venice, Italy
2020	1000€ - Scholarship "Mille e una Lode" , Merit-Based Scholarship awarded to the best Computer Science students (assigned to 10 students out of ~500)	Padua, Italy
2020	1000€ - Scholarship "Incentives for Scientific Degrees" , Merit-Based Scholarship awarded to the best Scientific Degrees students (~ top 3%)	Padua, Italy