

Asia Belfiore

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EDUCATION

Imperial College London

London, UK

MSc in Advanced Computing

September 2024 - Ongoing

- Modules: Reinforcement Learning, Deep Learning, Privacy Engineering, Computational Neurodynamics, Statistical Information Theory, Deep Graph-Based Learning, Natural Language Processing.

Queen Mary University of London

London, UK

BCs in Computer Science and Mathematics (Joint Honors)

September 2021 - July 2024

- Graduated with a First Class Honors Degree.
- Modules: Algorithms and Data Structures, Object-Oriented Programming, Operating Systems, Linear Algebra I-II, Cryptography, Probability, Bayesian Decision and Risk Analysis, Security Engineering, Neural Networks and Deep Learning.

EXPERIENCE

Queen Mary University of London (QMUL)

London, UK

Demonstrator / Teaching Assistant

September 2023 - January 2024

- Supervised and graded groups of 100+ first and second-year undergraduate students.
- Provided tailored and one-to-one teaching in English and Italian in Java and Python Programming, Algorithms and Data Structures.

Nova Inox srl.

General Administration

Mosciano Sant'Angelo, IT

February 2021 - November 2022

- Administered and organised a variety of employee-related duties, supervised 10+ employees and ensured the timely completion of tasks.

PROJECTS AND EXTRACURRICULARS

"Deep Learning for Genetic Risk Prediction of Crohn's Disease"

London, UK

Undergraduate Research, Queen Mary University & Dante Labs

September 2023 – May 2024

- Implemented multiple custom Deep (10+ layers) Neural Network architectures using PyTorch for the genetic mutation-based risk prediction of developing Crohn's Disease (IBD).
- Analysed large (100K+) synthetically generated genetic datasets using Python, Docker, Pandas and NumPy.
- Built a web-based visualisation dashboard using Javascript, Vue.js and Flask in conjunction with graphing libraries to showcase the research's results.

Lead The Future

Worldwide

Mentee

September 2023 - Ongoing

- Among the few Italian students selected as mentees for Lead The Future, a leading non-profit organisation for STEM students with an acceptance rate below 20%.

A.US srl.

Graphic Designer and Web Developer

Mosciano Sant'Angelo, IT

August 2023 - Ongoing

- Fully curated and designed the company branding, including its official logo and teaser website using Figma.
- Currently autonomously building the company's website using Javascript, Vue.js and Flask.

COMPETITIONS AND AWARDS

QMUL EECS Final Year Prize for Outstanding Academic Achievements, Award Winner

2023-2024

National Italian Excellence Honours Roll (MIUR), Award Winner

2020-2021

Class President (High School), Yearly Elected

2018 - 2021

Italian Problem-Solving Olympiads (High School - Individual and Team), National Finalist

2017 - 2018

Highest Academic Performance (High School), Yearly Award Winner

2016 - 2021

SKILLS & INTERESTS

Languages: Italian (Native), English (Fluent, CEFR Level C2), Spanish (Basic), French (Basic).

Skills and Tools: Problem-solving, Leadership, Organization, Communication, Data Visualization, Graphic Design; Figma, Canva, PowerPoint, Keynote.

Programming: Python, Java, NumPy, Pandas, PyTorch, Matplotlib, JavaScript, HTML, CSS.

Interests: Chess (Regional Level Competitor), Sports (Brown Belt in Karate, 6-year Ballerina, Climbing and Bouldering), Guitar Playing, Photography, Graphic and Interior Design.