# Leonardo **Arrighi**

PhD STUDENT IN APPLIED DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

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## Summary

I'm a Ph.D. candidate in Applied Data Science and Artificial Intelligence and an MSc graduate in Data Science and Scientific Computing, specializing in AI and Machine Learning, at the University of Trieste (Italy). I have always been fascinated by math, which I studied during my bachelor's. Recently, I have been interested in mathematical applications, computer technology, and learning to program. My main research topics are deep learning, computer vision, and statistical machine learning. I am competent at solving problems by investigating different solutions, paying attention to the details, and always ready to accept challenges.

## Education

**Liceo scientifico Marcantonio Flaminio**  *Via Talin, 1, 31029 Vittorio Veneto TV*
HIGH SCHOOL DIPLOMA, SCIENTIFICO - FINAL GRADE: 88/100  *2010 - 2015*

**Università degli Studi di Trieste**  *Piazzale Europa, 1, 34127 Trieste TS*
BACHELOR IN MATHEMATICS - FINAL GRADE: 100/110  *2015 - 2019*
MASTER STUDENT IN DATA SCIENCE AND SCIENTIFIC COMPUTING - FINAL GRADE: 109/110  *2019 - 2022*

## Work Experience

**Liceo Scientico M. Flaminio**  *Via Tallin, 1, 31029 Vittorio Veneto TV*
SUBSTITUTE TEACHER OF MATH  *Oct 2021 - Nov 2021*

**ASAC srl**  *Via degli Olmi, 28, 31040 Cessalto TV*
DATA SCIENCE INTERN  *Mar 2021 - Jun 2021*
- Contributed to realizing a dashboard for monitoring a food delivery company. Developed KPIs for the evaluation of the business.
- Analysis and creation of a database concerning the chemical compatibility between materials.
- Development of a deep learning project to perform failure analysis using a neural network.

**Liceo Artistico Statale B. Munari**  *Via Gandhi, 14, 31029 Vittorio Veneto TV*
SUBSTITUTE TEACHER OF MATH  *Apr 2022 - Jun 2022*

**Università degli Studi di Trieste**  *Piazzale Europa, 1, 34127 Trieste TS*
PH.D. CANDIDATE IN APPLIED DATA SCIENCE AND ARTIFICIAL INTELLIGENCE  *Apr 2022 - Jun 2022*
- Developing expert systems for decision-making support in failure management.
- Studying deep learning and transfer learning.
- Applying artificial intelligence techniques to solve real-world case studies.
- Analyzing and solving tasks and challenges in food technologies exploiting artificial intelligence.
- Studying and developing explainable artificial intelligence tools for enhancing and validating results.

## Language skills and certifications

**Italian**  Native proficiency
**English**  Intermediate proficiency (B2 level; certified by Cambridge FCE)
**Portuguese**  Elementary proficiency

## Computing / software development skills

**System Administration**  Knowledge of Microsoft Windows and GNU/Linux internals
**Programming Languages (Libraries)**  Advanced Python proficiency (Numpy, PyTorch);
Advanced C++ proficiency;
Intermediate R proficiency;
Advanced Java proficiency;
Intermediate C proficiency;
Intermediate knowledge of parallel programming (OpenMP, Message Passing Interface)

# Extracurricular Activity

**AI Student Society (AI2S)**
*Trieste TS*
Directive Board Member
*Jun 2020 - Jun 2022*

**Associazione La Nostra Famiglia**
*Via Costa Alta, 31015 Conegliano TV*
Educational support assistant
*2012 - 2014*
- Assistant to professional educators in rehabilitative-educational interventions for children with disabilities.