

Mathias Bruni

Computer Science Student

Work Experience

Secretary, Solarium Ski School (Contract), Predaia

November 2022 - February 2024

Winter Seasonal Position

- Managed phone calls and customer bookings
- Processed payments
- Used Microsoft Excel for basic administrative tasks

Survey Enumerator, ISTAT (Contract), Trentino

August 2023 - Present

- Conducted household surveys
- Collected and recorded statistical data
- Ensured accuracy and completeness of information

Personal Project

AI for Plant Health Monitoring

- Developed a machine learning system to detect plant diseases from images
- Implemented image recognition using Python, PyTorch, and TensorFlow
- Processed and labeled datasets of plant images for model training
- Evaluated model performance with accuracy metrics and iterative improvements

Skills

Frameworks & Libraries: PyTorch, TensorFlow, Keras, scikit-learn, Pandas, NumPy

Tools & Platforms: Docker, Git, Excel, Jupyter Notebook

Data Management: Basic SQL, data collection and handling (from projects and surveys)

Other Technical Skills: Machine Learning basics, data analysis

Education

Bachelor's Degree in Computer Science, University of Trento

September 2023 - Present

AI Engineering Professional Course, ProfessionAI

March 2025 - Present

- Coursework in Machine Learning, Deep Learning, and AI tools such as TensorFlow, PyTorch and Keras
- Hands-on projects and practical exercises on building and training models
- Python programming and data processing fundamentals

Personal Info

Programming languages

☐ Python

☐ Java

☐ C++

Languages

☐ Italian - Native

☐ English - C1