



Daniele Avolio

SOFTWARE ENGINEER · DATA SCIENTIST

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Summary

A passionate learner with a strong curiosity for technology. Through various personal projects, I have developed strong problem-solving skills and wide adaptability. My passion for Japanese pop culture and videogames has inspired me to develop open-source projects for specific niches and communities. I am looking for opportunities to grow and expand my knowledge, especially in Data Science and related fields.

Education

Instituto Superior Técnico

ERASMUS+ STUDENT

Lisbon, Portugal

Apr 2024 - Jul 2024

- Advanced courses in Computer Science and Artificial Intelligence with a focus on Machine and Deep Learning.
- Expanded knowledge in state-of-the-art AI technologies and methodologies.
- Created a network of international contacts with students and professors.

Unical (University of Calabria)

M.S. IN COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE

Cosenza, Italy

Sep. 2022 - Ongoing

- Practical and theoretical courses in Computer Science and Artificial Intelligence with hands-on projects for real-world applications.
- Focus in Artificial Intelligence and Data Science, with a particular interest in Machine Learning and Deep Learning.

Unical (University of Calabria)

B.S. IN COMPUTER SCIENCE

Cosenza, Italy

Sep. 2018 - Apr. 2022

- Solid basis in Programming, Software Engineering, Web Development, and Artificial Intelligence.
- Thesis project: Fullstack web application for the management of a students social network.

Experience

IET s.r.l.

FRONTEND DEVELOPER - STAGE

Rende, Calabria

May 2022 - Ago. 2022

- Collaborated in designing and developing a custom Angular ngMaterial library to enhance UI components for internal company applications.
- Developed and maintained a scalable internal application using Angular and Tailwind CSS, creating custom survey applications for clients, being free from third-party services.
- Refactored and optimized legacy codebases, implementing new features ensuring scalability for future updates.

Skills

Data Science & ML

Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, TensorFlow, Keras, PyTorch, OpenCV, Gradio, NLTK, Spark, Hadoop

Programming

Python, JavaScript, TypeScript, Java, C++, SQL, Node.js, HTML5, CSS3, Svelte, Angular, TailwindCSS, Bootstrap

Tools

Git, Firebase, Vercel, Hugging Face, Pentaho, Tableau

Soft Skills

Problem Solving, Teamwork, Communication, Time Management, Adaptability, Creativity

Languages

Italian(Native), English(Fluent)

Projects

Immersivaudio

INSTITUTO SUPERIOR TECNICO

Lisbon, Portugal

Apr 2024

- Developed an audio generation application based on state-of-the-art deep learning models with Python.
- Enabled audio generation from videos/images and deployment to Hugging Face Spaces using Gradio.

Personal Website

PERSONAL PROJECT

Jul 2023 - Ongoing

- Created a personal website using SvelteKit v1, featuring custom designs and components and deployed on Vercel.
- Integrated a blog section powered by lightweight markdown files, enhancing the site's content management efficiency and SEO.

Honors & Awards

2023 **Best Master Student**, M.S. in Computer Science and Artificial Intelligence

Unical