Michele Dinelli

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EDUCATION

University of Bologna   Sep 2023 - Current
MSc in Computer Science   *Bologna, Italy*
- **Relevant Coursework:** Artificial Intelligence, UI/UX, Digital Forensics, Databases, Computer Graphics, Computational Math, Programming Languages, Context-Aware Systems

University of Bologna   Sep 2019 - Mar 2023
Bachelor's Degree in Computer Science and Management   *Bologna, Italy*
- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Internet Programming, Databases, Numerical Statistic, Numerical Methods for Calculation, Mathematical Analysis, Linear Algebra, Internet Architecture, Web Technologies

EXPERIENCE

University of Bologna   Feb 2024 - Current
Tutor - Algorithms and Data Structures   *Bologna, Italy*
- Support for undergraduate computer science students for the Algorithms and Data Structures course

University of Bologna   Dec 2023 - Current
Tutor - Computer Science Degree programm   *Bologna, Italy*
- Students may contact the tutor to report any requests regarding logistical or organizational aspects

Cineca   Nov 2022 - Nov 2023
Software Developer - Backend   *Casalecchio di Reno (Bologna), Italy*
- I was responsible for the maintenance and development of microservices orchestrated in a kubernetes cluster in the enterprise cloud.
- My main duties involved developing new features for existing microservices, resolving customer tickets, and participating in the development of new microservices from scratch.
- I took part in various analysis meetings outlining together with the product owner the development paths to follow.
- I worked following the agile model, following sprint planning and working closely with colleagues in the development team and the product owner.

Finmatica   Jan 2022 - Jun 2022
Software Developer - Backend - Internship   *Bologna, Italy*
- At Finmatica I did a curricular internship during my Bachelor's degree.
- The purpose of the internship was to develop an automated job for data update.
- The data were extracted from an external service that monitored recharge statistics at a network of recharge stations in Bologna.

PROJECTS

Aculei   Dec 2023 - Current
React.js, Python, Flask, Unsupervised Learning, Image Classification with Neural Networks
- Data extraction from a large dataset of photo-traps ($\sim$30GB).
- Analyzed data using unsupervised learning and zero shot image classification.
- The information obtained from photographs, the relationships and hidden patterns that are identified by artificial intelligence are used to generate an interactive experience within a photographic archive called aculei.

Technical Skills

Languages: Java, Python, Javascript, Typescript
Frameworks/Libraries: Spring Boot, Flask, Express.js, TensorFlow, PyTorch, React.js, Pandas, Numpy, Polar
Databases: MySQL, Oracle, PostgreSQL, MongoDB
Miscellaneous: Linux, Ubuntu, Shell scripting, Mitmproxy

Interests

Chess: I'm quite a beginner but I reached 1700 Elo which is quite good.
Manga: especially One Piece and Naruto.
Guitar: I love music in general. Big fan of RHCP and John Frusciante.
Gymnastic: I used to play football (12 years), now I am more into gymnastic (calisthenics)

Languages

Italian: Native or bilingual proficiency
English: Professional working proficiency
German: Limited working proficiency
Spanish: Limited working proficiency