Michele De Cillis

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github.com/demic-dev

Education

BSc Computer Science, Università degli Studi di Milano — Sept 2022 – present
- Focused on algorithms, systems design, and computational theory

Erasmus+ Exchange, Université Paris-Saclay — Sept 2023 – June 2024
- Specialized in machine learning techniques and natural language processing
- Developed cross-cultural collaboration skills in multinational academic teams

Experience

Front-End Engineer, Pane&Design s.r.l. — Oct 2021 – Dec 2022
- Developed and optimized high-traffic websites (200k+ monthly visits)
- Integrated microservices into existing eCommerce
- Created automation tools that reduced landing page creation time by 40%

Full Stack Engineer, Online Impresa s.r.l. — July 2020 – Sept 2021
- Designed and built progressive web applications and mobile solutions for SMEs
- Maintained client relationships and gathered requirements to ensure project success
- Automated deployment pipeline, cutting publishing time from 45 to 10 minutes

Extracurricular activities

University Startup Challenge — April-May 2025
- Currently working with a multidisciplinary team (UniMi and Bocconi) to develop technology-driven solutions for urban challenges using data science and AI

Cloudflight Coding Contest — April 2023
- Ranked in Top 10 amongst university teams in algorithmic problem solving under time constraints

Projects

ALS Biomarker Identification — GitHub
- Developed a computational pipeline to analyze RNA-seq data from ALS patients using Python, scikit-learn, and pandas
- Implemented statistical methods to identify differentially expressed genes that could serve as potential biomarkers

NixOS — GitHub
- Configured a reproducible scientific computing environment using declarative system configuration with Nix

Open Source

- **PixelFed:** Contributed with bug fixes to an open-source federated image sharing platform (GitHub)

Skills

Technologies: Git, Nix, Jupyter, LaTeX, Docker, Linux/Unix

Programming Languages: Python, TypeScript/JavaScript, Go, Rust, SQL, Bash scripting

Spoken Languages: Italian (native), **English** (C1), **French** (B1)