

# GIANLUCA MAIDA

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## EDUCATION

### Master's degree in Software Engineering

Politecnico di Torino | 2023-2025 | GPA: 3.7

- **Full-Stack Application Development & System Design:** Experience in building and optimizing web and mobile applications, with a focus on scalable architectures, performance, and end-to-end development.
- **Software Engineering & Project Management:** In-depth knowledge of Agile methodologies, testing strategies, and software lifecycle management, combined with a user-centered approach through Human-Computer Interaction principles.

### Bachelor's degree in Management Engineering

Politecnico di Torino | 2019-2023

- **Process Optimization and Project Management:** Analyzed and improved systems through data-driven decision-making and innovation management.
  - **Programming Foundations:** Learned Java, SQL, and algorithm design, applying them to production system optimization.
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## PROJECTS

### Web Application for Municipal Relocation of Kiruna

Official platform to document and manage the city's relocation process

- **Software Engineering & Team Collaboration:** Developed the platform following Agile methodologies, organizing tasks, managing sprints, and tracking work hours through timesheets. Regular progress presentations helped us refine the product based on stakeholder feedback and evolving requirements.
- **Interactive Map & Document Management:** Built a web app enabling residents and urban planners to navigate a city map, access location-specific documents, upload new resources, and link related files to monitor the relocation of specific areas.

### Emergency Backup Project (Rust)

A background application for automatic backup with CPU usage monitoring

- **Backup:** The app runs continuously in the background. Folders to be backed up can be selected through a regular configuration window. The backup is activated by tracing signs on the screen (even with a broken screen) and confirmed with a specific sign.
- **CPU Monitoring:** Since the app is always running in the background, it constantly monitors CPU usage, logging performance data periodically to ensure minimal resource impact while keeping the app always operational.

### GemHunter App

Mobile app for discovering hidden places through exploration and gamification

- **Interactive Map & Itinerary Creation:** Developed an app where users can explore hidden locations through an interactive map, create custom itineraries, and track visited and unvisited places. Each location includes detailed descriptions, photos, and historical insights.
  - **Content Management & User Engagement:** Designed features to add new discoveries, allowing users to contribute by uploading locations with multimedia content. The app encourages exploration with a collectible system, making the experience engaging and dynamic.
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## SKILLS

**Programming Languages:** JavaScript, TypeScript, Java, Rust, C++, Kotlin, Python, HTML, CSS