

Giuseppe Maria Barone

SOFTWARE ENGINEERING

Turin, Italy

☎ (+39) 3278738807 | ✉ giuseppebarone2028@gmail.com | 🏠 giuseppe2028Portfolio | 📱 giuseppe2028 | 🌐 giuseppe2028



Education

Politecnico di Torino

Turin, Italy

M.S. IN COMPUTER ENGINEERING (SOFTWARE), EXPECTED GRADUATION YEAR: 2026

Sept. 2023 - Present

- Best marks: **Web application I** 4.0 GPA, **Software Engineering I** 4.0 GPA, **Information System** 4.0 GPA, **Formal Languages and compilers** 4.0 GPA

Università degli studi di Palermo

Palermo, Italy

B.S. IN COMPUTER ENGINEERING

Sept. 2020 - Sept. 2023

- Best marks: **Software Engineering**: 4.0 GPA cum Laude, **Electronics**: 4.0 GPA, **Mobile Application Development**: 4.0 GPA

Side Projects

Multiplatform Screen Casting

RUST

- Developed a high-performance screen-sharing application in Rust, enabling real-time streaming across multiple devices in a local network.
- Optimized video streaming, reducing CPU and network load through efficient resource management.
- Modified third-party libraries to enhance functionality, improving video rendering speed.

Kiruna Explorer

REACT, POSTGRESQL, GIT

- Worked in an international team of 7 people
- Led front-end development for a document management WebApp, used by the Kiruna municipality to organize and visualize documents on maps and graphs.
- Implemented Agile methodologies, conducting bi-weekly retrospectives and stakeholder presentations to ensure continuous improvement.
- Streamlined Git workflow by enforcing best practices (e.g., pull requests, code reviews), reducing merge conflicts, and code errors.

MiSvaGo

KOTLIN, ANDROID, SQL

- Developed a mobile travel management app that enables users to book trips, manage notifications, and personalize profiles.
- Designed an intuitive UI in XML and Kotlin.
- Collaborated in a two-person team, applying Agile development to meet project milestones efficiently.

SoftWorks

JAVA, JAVA FX, SQL

- Built a Java-based desktop application for company shift management, supporting dual-terminal functionality (badge terminal and user desktop).
- Authored 150+ pages of technical documentation, improving onboarding efficiency for new developers.
- Designed a modular architecture, enabling future scalability and reducing maintenance costs.

Skills

Technologies: HTML, CSS, Javascript, Typescript, MongoDB, MySQL, Postgres, React, Rust, Flask, SQLite, Java, Kotlin, Android, Git

Languages: Italian (Native), English (B2) (IELTS)

Extracurricular Activity

2014-2018 **Scoutism**, Participated in more than 15 team-building activities and outdoor survival experiences.

Palermo, Italy

2018 **Theater Performance**, Performed a scene in front of an audience of 100+ people, enhancing public speaking and improvisation skills.

Palermo, Italy

2024 **Hackathon**, Participated in a competition with more than 200 students. Developed a solution for Reale Mutua to calculate insurance fees based on pollution levels.

Turin, Italy