



Daniele Dimonte

Software Engineer, Mathematician



07.03.1990



Italian, Permit C



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About me

I come from the world of abstract Mathematical Physics. When quantum particles proved to be too theoretical for me, I decided to dedicate myself to one of my other passions: informatic. Since 2022 I have been working as software engineer, and I am still refining my profile as a developer. I am curious and communicative, with a strong passion for technology and complex systems. In my spare time I like to dance Lindy Hop and play Role Playing Games at my local club.

Languages

Italian	Native
English	C1
German	B2
French	A2

Hobbies

- Tabletop Role-Playing Games
- Linux and open source technologies
- Online and Offline Computer Games
- Puzzle solving
- Lindy Hop Dancing

Professional Experience

2025 - 2025

System Architect - Software Developer

Silberrücken AG

Contracted to work as System Architect for an external project. The project terminated early due to client-side business changes

- Full-stack development with **Kotlin** and **Spring Framework**
- Focus on **Object Oriented Programming** and **Domain Driven Design**
- Frontend Development with **11ty**
- Enterprise Architecture with **TOGAF**
- Soft skill training in **Theory U** and **Social Presencing Theater**

2022 - 2025

Plugin Developer

Acquedotto GmbH

Developed and deployed custom Revit plugins, including full life-cycle maintenance and end-user support. Applied these specialized tools to expedite project design and drawing efforts

- Plugin development with **C#/.NET 7.0** and **.NET Framework**
- UI development with **Windows Forms**
- Office integration with **MS Office Interop**
- Interoperability with **Geberit BIM**
- Versioning with **GitHub**

2019 - 2021

Postdoc and Ass.t Lecturer (Prof. C. Saffirio)

University of Basel

Produced tools to describe Fermi quantum gases with the Hartree-Fock model

- Maintained **international projects** in Italy, Germany and Switzerland
- **Presented my work** at international conferences in Mathematical Physics
- Helped teaching **four different courses** for the University of Basel

2015 - 2019

Research Associate (Prof. M. Correggi)

SISSA, Trieste

Developed theories to study fastly rotating quantum Bose-Einstein Condensates

- International collaboration with **Prof. P. Pickl** from Munich
- Elected **student representative** for the group of Geometry and Mathematical Physics

Education

2015 - 2019

PhD in Mathematical Physics

SISSA, Trieste

"Mathematics of the Bose Gas in the Thomas-Fermi Regime"

2012 - 2015

MSc in Mathematics

La Sapienza, Roma

"Vortici Giganti in Condensati di Bose-Einstein in rotazione"

2009 - 2012

BSc in Mathematics

Roma Tre, Roma

Additional Skills

- Administer and maintain a personal web server on a **LAMP stack**, hosting key services including a **personal website**, a fully configured **mail server**, Nextcloud, and Foundry VTT
- Oversees a robust infrastructure across **diverse operating systems**, with a core expertise in **Linux server administration** (Debian, Fedora). Proficient in **managing client platforms** including Windows and macOS
- Developed a strong foundational understanding of **Python** through various personal projects, including system automation and data analysis. Proficiently utilized key libraries such as **pandas**, **NumPy**, and **scikit-learn** for diverse computing tasks
- Coordinate high-profile community events for SwissRPG, including **large-scale city gatherings** (Mega-Bern) and **convention activities** (HeroFest), while managing logistics for the **Bern Role-Playing community**