

Daniele Dimonte



Curiosity is key

- Full-stack developer proficient in Python, C# and Kotlin
- Experienced in data analysis and visualization with sklearn, pandas and NumPy
- Strong background in Linux Server Administration
- Quick learner for complex technical ecosystems

Donnerbühlweg 39,3012, Bern
daniele@dimonte.me
+41 77 501 78 58

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Personal Information

Place of birth	Date of birth	Nationality
Viterbo, Italy	07 March 1990	Italian, C Permit

Professional Experience

- 2026 Feb - Now **Software Developer** | *mylife Diabetescare, Burgdorf, Switzerland*
BNF Temporary project to study infusion models for an insuline pump
- Implementation of **numerical models** for complex medical systems
 - Data processing and simulation using **NumPy, SciPy, and Pandas**
- 2025 Mar - Jun **System Architect - Software Developer** | *Silberrücken AG, Bern, Switzerland*
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 Oct - 2025 Jan **Plugin Developer** | *Acquedotto GmbH, Bern, Switzerland*
Developed and deployed custom Revit plugins, including full lifecycle 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 Oct - 2021 Sep **Postdoc and Ass.t Lecturer (Prof. C. Saffirio)** | *University of Basel, Basel, Switzerland*
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 Oct - 2019 Sep **Research Associate (Prof. M. Correggi)** | *SISSA, Trieste, Italy*
 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

2019 **PhD in Mathematical Physics** | *SISSA, Trieste*
 “Mathematics of the Bose Gas in the Thomas-Fermi Regime”

2015 **MSc in Mathematics** | *La Sapienza, Roma*
 “Vortici Giganti in Condensati di Bose-Einstein in rotazione”

2012 **BSc in Mathematics** | *Roma Tre, Roma*

IT Skills and Languages

.Net (C#)	Proficient	Italian	Native
Linux SysAdmin	Proficient	English	C1
LateX	Proficient	German	B2/C1
Git	Proficient	French	A2
Python	Competent		
C	Competent		
11ty	Competent		
SQL	Competent		
HTML Webstack	Foundational		
Kotlin	Foundational		

Other 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**.