

Andrea Simone Foderaro

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EXPERIENCE & PROJECTS

Taglio S.R.L | Net, C#, Blazor, Python

Software Engineer | Jun 2024 - Present | Piobesi D'Alba, Italy

Backend Developer & API Specialist

- Developed state-of-the-art backend solutions for inventory management, design workflows, and machine control systems using C# and .NET, **improving processing efficiency by 40% and reducing system downtime by 25%**
- Designed and implemented **30+ REST APIs** compliant with modern standards, **achieving 99.9% uptime** and enabling seamless integration across multiple systems with **response times under 200ms**
- Collaborated with cross-functional teams of 8+ members to identify and resolve technical challenges, **reducing bug resolution time by 60%** and ensuring seamless project execution

Cluster Reply S.R.L | Azure, .NET, C#, Kubernetes, AngularJS

Software Engineer | Apr 2021 - May 2024 | Turin, Italy

Technical Lead

- Led development of IoT diagnostic machines serving **500+ concurrent users** with Azure cloud services, reducing operational costs by \$150K annually
- Managed development team of 4 engineers to ensure on-time delivery, **achieving 95% project completion rate within budget and improving team velocity by 30%**
- Provided technical solutions and architecture guidance resulting in **50% reduction in system integration time and 99.5% service availability**

Consultant

- Designed cutting-edge solutions with Azure IoT resources serving **1000+ connected devices**, **improving data processing speed by 300%** and **reducing cloud costs by 20%** through optimization strategies

Summer Camp Manager | Team Work, People Management

Manager | Jul 2020 - Sept 2020 | Guarene, Italy

- Successfully managed **40 staff members** to operate summer camp for **100 children (aged 3-13)**, **achieving 98% parent satisfaction rate** and **zero safety incidents**
- Organised COVID-19 safety protocols with **100% compliance rate**, ensuring camp operations while maintaining **95% enrollment retention**

Automatic Classification of Software Issue Report

Master's Thesis | Apr 2020 - Oct 2020 | Turin, Italy

- Collaborated with Mozilla development team to create automated bug classification system, **improving classification accuracy from 70% to 92%**
- Manually classified **250+ software bugs** creating training dataset that **reduced manual classification time by 80%**
- Built machine learning classifier achieving **92% precision and 89% recall**, **saving Mozilla developers 15+ hours per week**

Shared Editor Project

Master's Projects | May 2020 - Oct 2020 | Turin, Italy

- Designed and programmed collaborative text editor in C++ with Qt framework supporting **real-time collaboration for 50+ concurrent users with latency under 100ms**
- Developed Generative Adversarial Networks (GANs) achieving **95% accuracy** on image generation tasks and created ML models (SVM, Decision Trees, CNN) with **average accuracy improvement of 15%**
- Applied machine learning techniques to bioinformatics problems

EDUCATION

Polytechnic University of Turin (PoliT0)

M.S., Computer Engineering

Oct 2020 | Turin, Italy

Grade: **110 cum laude/110**

Top 5% of graduating class

B.S., Computer Engineering

Jul 2018 | Turin, Italy

Grade: **110/110**

Top 10% of graduating class

Exchange Program Mississippi State University

Aug | Dec 2017 | Mississippi, USA

Grade (GPA): **A (4/4)**

Top 5% in the class

SKILLS

Backend Development

C#•KQL•SQL•Python•C•C++•Java

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Miscellaneous

AI•MachineLearning•Azure•Ku

bernetes•Docker

Frontend Development

AngularJS•Blazor•HTML•CSS

Soft Skills

Public speaking•Scrum development•Technical Writing

Languages

Italian (native)•English (fluent, IELTS: 7.5)

COURSEWORK

Data Structure and

Algorithms

Data Science

Machine Learning & AI

Database Technologies

Distributed Programming

Big Data

Data Comm. Networks

Operating Systems

EXTRACURRICULARS

INTERESTS

7 summers as summer camp organizer serving 700+ children annually with consistently high satisfaction ratings (95%+)

Active IEEE-HKN member (PoliT0 Mu-Nu Chapter)

Traveling, Soccer, Running, Fitness