



Eric Miotto | Curriculum vitae

Cork – Ireland

• cv.edymtt.io • stackoverflow.com/users/753737/edymtt
• [edymtt](https://github.com/edymtt) • Last updated on 2018/01/30 09:31 CEST

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Summary

I'm a computer enthusiast for 16 years and a professional software developer with 8 years of experience. I enjoy designing and writing clear, testable and maintainable applications; to achieve this I practice unit testing, I refactor "legacy code" and I employ object oriented and functional paradigms. I get up to speed with new technologies and concepts in a short time and I am able to quickly troubleshoot issues with the programs I deal with (often without previous context). I'm well versed in exploring new technologies to assess their characteristics and the problems they pose in their adoption. I employ both theory and experience to deliver software in a successful fashion. I strive to continually improve my skills, to apply best practices in my daily work and to keep myself up to date. The roles I fit best are Software Engineer and Software Engineer in Test (or equivalent roles). My application domains of interest are operating systems, compilers, developer tools and real-time/embedded systems.

Work experience

Apple Inc

iOS Build Engineer, www.apple.com

Execution of daily software builds of iOS and its related products.

- Troubleshooting of build, integration and infrastructure issues
- Contribution of small fixes to the tooling used – Perl

Cork (Ireland)

01/2014–Ongoing

BEDIN Shop Systems srl

Programmer, www.akite.net

Development, maintenance and support of software for Points of Sale (.NET 3.5/4.0):

- development and (automatic) deployment of smart clients – Windows Forms, SQL Compact, SQLite, Lucene.NET, ClickOnce
- development, deployment and monitoring of web services handling thousands of users – WCF, Windows Azure, SQL Azure, Windows Azure Service Bus, ACS 2.0
- promotion engine; development of a library for video and photo capture from webcams (DirectShow); setup of a build server (Jenkins, MSBuild); development of a simple administration web site (ASP.NET MVC, Javascript, jQuery); migration of source code from Team Foundation Server to GitHub; basic programming of fiscal printers and EFT-POS; initial introduction of unit testing and automation practices; setup and customization of Thinkecture IdentityServer and AuthorizationServer

Cornuda – TV (Italy)

10/2009–01/2014

BEDIN Shop Systems srl

Training – apprentice programmer

Development and maintenance of software for Points of Sale (.NET 2.0/3.5)

- Implementation of a visual editor for documents and labels made with GDI+, using a retained mode graphics system
- Investigation on WPF as an alternative to Windows Forms

Cornuda – TV (Italy)

Summers from 2003 to 2008

Education and training

Università degli Studi di Padova

Laurea Specialistica (Master's Degree) in Computer Science, 110/110 cum laude

Online and approximate algorithms, concurrency, distributed systems, cryptography, semantics of programming languages, static analysis, data warehouse, business intelligence, multimedia, hypermedia, audio/video compression, bioinformatics, real-time systems, information retrieval, wireless networks, ITIL v2, abstract algebra, constraint programming, machine learning

Padua (Italy)

10/2007–09/2009

Università degli Studi di Padova

Laurea Triennale (Bachelor's Degree) in Computer Science, 110/110 cum laude

Padua (Italy)

10/2004–09/2007

Programming, algorithms, software engineering, relational databases, SQL , XML, probability, statistics, logic, operational research, programming languages, linear algebra, mathematical analysis, computer architectures, operating systems, networks, automata, numerical analysis, artificial intelligence, discrete mathematics, security

Istituto Tecnico Industriale Statale Luigi Negrelli

Feltre – BL (Italy)

High School Diploma, Computer Specialization, 100/100

09/1999–06/2004

Computer science (programming, operating systems, DBMS, boolean logic), mathematics (analysis, integral, derivatives), electronics (transistors, operational amplifiers, logical ports), statistics (probability, stochastic variables)

Skills

Methodologies.....

Object oriented paradigm, functional paradigm, design, profiling, distributed systems, compensation, bug tracking, test automation, single responsibility principle, unit testing, separation of concerns, build automation, backward compatibility and versioning, legacy code, refactoring, troubleshooting, timely escalation of issues, debugging, code reading

Technologies.....

.NET (from 1.1 to 4.5), Visual Basic .NET, LINQ, C#, async, NuGet, Java, C++, C, SQL (Transact SQL), Ruby, XML, regular expressions, Windows Forms, Windows Presentation Foundation (WPF), Windows Azure Compute (PaaS), Windows Azure Storage, Windows Azure Service Bus, Windows Azure Caching, ACS 2.0, Windows Azure Active Directory, Visual Studio 2003/2005/2008/2010/2012, Eclipse, SQL Server 2008/2008 R2, SQL Azure, SQL Compact 3.5, Sqlite 3, Subversion, Mercurial, Git, Team Foundation Server 2010, git-tfs, LLBLGen Pro 2/3/3.1, Entity Framework 4, Jenkins, MSBuild, Make, rake, Windows Communication Foundation (WCF), HTML 5, CSS, Javascript, ASP.NET, ASP.NET MVC and Web Api, Fiddler, OAuth 2.0, Jekyll, Bootstrap, Mac OS X, Linux (Ubuntu, Fedora, Debian), Windows, Android, Touch typist (Self-taught, QWERTY, mostly italian layout, about 47 words-per-minute), LaTeX, Markdown, Textile, Powershell, VMware Fusion, VirtualBox, ECDL, OData, Bash/Zsh, ILSpy, Perl, vim

Languages

Italian: Mother tongue

English: Fluent

Able to handle written and spoken technical conversations

Masters thesis

Title: *Challenges in the Integration of domain-specific and scientific bodies of knowledge in Model-Driven Engineering*

Supervisor: Prof. Tullio Vardanega

Outside examiner: Prof. Gilberto Filè

Description: Technological investigation about problems and tools needed to introduce Model-Driven Engineering in the construction of software, in particular in the real-time field. The investigation was conducted within Eclipse (EMF, GMF, Papyrus).

Bachelors thesis

Title: *A high-available service oriented architecture* (Un'architettura orientata ai servizi che offra alta disponibilità)

Supervisor: Prof. Gilberto Filè

Outside examiner: Prof. Massimo Marchiori

Industry supervisor: Davide Bedin

Description: At BEDIN Shop Systems srl (Cornuda – TV, Italy) development of a prototypal application for log transmission according to SOA principles using Windows Communication Foundation (WCF) and Amazon Simple Queue Service (SQS). For the development I used unit testing, integration testing and coverage report