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Curriculum vitae

PERSONAL INFORMATION

Diego Fioravanti

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🌐 https://www.linkedin.com/in/diegofioravanti   https://github.com/diravan

Gender Male | Date of birth 29/07/1989 | Nationality Italian

EDUCATION AND TRAINING

2013 – 2015

Master of Mathematics   Laurea magistrale

University of Trento, department of mathematics, Trento (Italy)

Grade: 107/110

Description: This degree focussed on pure mathematics and symbolic computation, especially in the areas of algebraic geometry and commutative algebra.

Thesis: "Cohomology and spectral sequences in algebraic geometry"

Advisor: Prof. Edoardo Ballico.

01/09/2013 – 30/06/2014

Erasmus

Utrecht University, Utrecth (The Netherlands)

Description: One year Erasmus with classes in pure mathematics and parallel programming.

2008 – 2012

Bachelor of Mathematics   Laurea Triennale

University of Trento, department of mathematics, Trento (Italy)

Grade: 98/110

Description: This degree focussed on pure mathematics (algebra and foundational aspects) and computer science (algorithms, functional programming and scientific computation).

Thesis: "The Artin-Wedderburn theorem"

Advisor: Prof. Willem A. de Graaf.

WORK EXPERIENCE

09/2016 – Present

Junior Analyst

Accenture Italia, Verona (Italy)

Junior analyst supporting the day to day operation of the Generali insurance company. Working daily an 100+ million record database and handling the client request for analysis and corrections.

2009 – 2016

Private tutor in mathematics

Private tutoring in mathematics and IT for middle, high schools and universities in Trento, Italy. My middle and high school tutoring was mostly based on the standard italian syllabus, whereas at university level I tutored first and second year's subjects, such as single and multivariate calculus, linear algebra, as well as introduction to computer programming and LaTeX. I have tutored students mainly in one-to-one settings, and also as groups of 2 to 10 students at a time.

08/2015 – 06/2016

Private tutor in mathematics

Private tutoring in mathematics and IT for high schools and universities in Oslo, Norway. My high school tutoring was mostly based on the IB (international baccalaureate) syllabus, whereas at university level I tutored first and second year's subjects, such as single and multivariate calculus and linear algebra. I have tutored students in one-to-one settings.

09/2011 – 12/2011	**Internship**
	Istituto d'istruzione Marie Curie, Pergine Valsugana (Italy)

Teaching experience in a high school as assistent of a group of three teachers. During the experience I developed and taught lectures in basic calculus, combined with the development and evalutation of tests on the subjects of the lectures.

LANGUAGES

Mother tongue	Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
	TOEFL (Score 100)				
Norwegian (Bokmål)	B2	B2	B1	B1	B1
German	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user – B1/B2: Independent user – C1/C2: Proficient user
Common European Framework of Reference (CEF) level

TECHNICAL EXPERIENCE

Languages and technologies
- Basic: Java, HTML, CSS, Javascript, QT5
- Intermediate: Haskell, Django, Matlab/Octave, (Neo)Vim, GIMP, TDD metodology
- Advanced: C/C++, Python, LaTeX, Linux

Projects
- Parallel computation of π (2014). Final project for the "parallel computing" class, the application computed 1054039 digits of π correctly using a parallel algorithm. C, Python.
- The sieve Of Eratosthenes (2013). Midterm project for the "parallel computing" class, the application executed the sieve of Eratosthenes algorithm in parallel. C, Python.
- The Artin - Wedderburn algorithm (2012). Part of my bachelor's thesis, the application computed the Artin - Wedderburn decomposition of semisimple algebras. Python.

PERSONAL SKILLS

Communication skills
- Team work: I have worked in teams of various dimension during my education. During my internship experience I worked in close contact with a group of five teachers.
- Mediating skills: During my experience as private tutor I taught to groups of students of various sizes always managing to accomodate the needs of the various students inside the need of the group as a whole.
- Intercultural skills: I am experienced at studying and working in a European dimension thanks to my Erasmus experience and to my private tutor experience in Norway.

Organisational / managerial skills
- During my Bachelor and master I organised a series of informal lectures on how to write a thesis in LaTeX.

Other skills
- Expert teacher and familiar with the modern school equipment as SMART Board and similar.
- Amateur photographer.
- Love to travel and experience different cultures.

Driving licence	B