

## PERSONAL INFORMATION

Fabio Giachelle

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Date of birth 12 Jun 1994 | Nationality Italian

## JOB APPLIED FOR

Computer engineer

## WORK EXPERIENCE

1 Apr 2019–30 Sep 2019

**Junior researcher at the University of Padova (PD).**

University of Padova (PD), Padova (Italy)

Development of a "progressive visualization" tool to explore the data produced by the experimental evaluation in progress, i.e. when the evaluation process is still ongoing. The main purpose is to speed up and facilitate the understanding of the data and the evaluation of the effectiveness of the system being analyzed.

1 Nov 2015–1 Apr 2016

**Data entry**

EXPLORA S.n.c., Vigodarzere (PD) (Italy)

The EXPLORA research centre is specialised in statistical analysis of social and healthcare data. I worked at the EXPLORA research centre, for speeding up the data entry process for the Emilia Romagna's regional study: "Nursing Sensitive Outcome (NSO)". Nursing Sensitive Outcomes, or just Nursing Outcomes, are defined as the contribution of nursing care in the patient's treatment process. The objective of the project, promoted by the Emilia Romagna region, was the creation of an observatory on the outcomes of therapies related to nursing care. This was done through a survey that was carried out in hospitals, on a set of outcomes (pressure injuries, falls and containment) to assess the quality of treatments and promote comparison in eight health centres. The project allowed to carry on the reflection on the quality of healthcare service and the safety of treatments. Moreover, it increased the data available to understand the correlation between the nursing care, provided by hospitals staff, and the outcomes of therapies.

1 Jun 2012–Present

**Internship - Web developer**

NEST2 S.p.A., Limena (PD) (Italy)

- Development of the company's internal website.
- Translation and development of some modules for the SugarCRM platform.

1 Jun 2011–1 Aug 2011

**Internship - Web developer**

INFORMATICA ALL S.r.l., Camposampiero (PD) (Italy)

- Websites development on WordPress.
- Newsletter development to keep up to date customers.

## EDUCATION AND TRAINING

18 Feb 2019

**Master's Degree in Computer Engineering**

University of Padova, Padova (PD) (Italy)

- Research Area: Information Retrieval.
- Thesis title: "A visual analytics tool for the incremental evaluation of search engines".

- Final graduation mark: 106/110.

20 Sep 2016 **Bachelor's Degree in Computer Engineering**

University of Padova, Padova (PD) (Italy)

- Research Area: Discrete Calculus.
- Thesis title: "Manipulation of sums".
- Final graduation mark: 99/110.

5 Jul 2013 **High school diploma in Computer Science**

I.T.I.S. Francesco Severi, Padova (PD) (Italy)

Computer Science

## PERSONAL SKILLS

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Mother tongue(s) Italian

Communication skills

- Clarity and Concision
- Open-Mindedness
- Respect

Organisational / managerial skills

- Time-management
- Team building
- Organization
- Cooperation

Job-related skills

- Problem-solving
- Critical thinking
- Results-oriented
- Willingness to learn

Digital skills

**Advanced:**

- Operating Systems: Microsoft Windows, Linux.
- Microsoft Office: Word, Excel, Powerpoint, Access, Publisher.
- Adobe Creative Suite: Adobe Photoshop.
- Programming Languages: C, Java, PHP.
- Other Languages: SQL.
- Web Technologies: HTML5, CSS3, JavaScript, jQuery, Bootstrap, D3.js, XML, JSON.
- Frameworks and Platforms: Apache Solr.
- DBMS: MySQL, PostgreSQL.

**Intermediate:**

- Programming Languages: Python, Visual Basic, VBA.
- Frameworks and Platforms: Apache Tomcat, IBM ILOG CPLEX.

**Basic:**

- Programming Languages: C++, C#.

During my studies from high school to university, I have developed an extensive background in computer science. In particular, the experience acquired as a computer scientist, by attending the technical institute I.T.I.S. Francesco Severi, includes the know-how regarding programming languages, operating systems and information technologies in general. Besides, during my studies for bachelor's and master's degree in computer engineering at the

University of Padova, I had the opportunity to improve and consolidate my technical background, by learning the principles for software design and engineering. Thanks to the many course projects, I have been practising for years in the development of reliable software solutions. In particular, during the course of "Operations Research 2", held by Prof. Matteo Fischetti, I implemented many different algorithm strategies, for the Travelling Salesman Problem (TSP), using the C language and the IBM ILOG CPLEX Optimization Studio. Therefore, during my master's thesis, I developed AVIATOR, a visual analytics tool for the incremental evaluation of search engines. The development of this tool gave me the chance to improve my expertise about programming languages (i.e. Java, PHP), platforms (i.e. Apache Solr) and Web technologies (i.e. HTML5, CSS3, JavaScript, jQuery, Bootstrap, D3.js).

## ADDITIONAL INFORMATION

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### Memberships

Clarinetist member of the marching band of Vigodarzere.

- Playing clarinet and teaching music.
- Reference: <http://bandavigodarzere.it>

### Projects

Web ERP During my studies I developed a Web ERP initially used by a company in the footwear sector, to manage the supply of materials and their storage. The same software now is used by many firms also in other sectors such as wholesale of metallic materials.

### Coding challenges

Google Hash Code 2018



**Congratulations!**

Fabio Giachelle

*Università degli Studi di Padova*

*Team: SnapOpt*

Awarded by the Organizing Committee of Hash Code 2018

