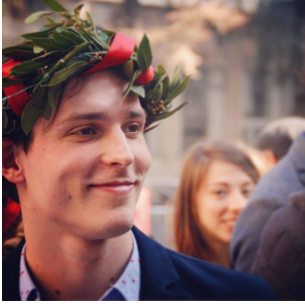# Federico**Gianno**

Personal data

SOFTWARE ENGINEER
Nice, France
DoB: 12/09/1995

Contact

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J4NN0 🎧
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Languages

Italian - *Mother tongue*
English - *Professional working proficiency*
French - *Elementary proficiency*

Resume

Grounded and solution-oriented Software Engineer with a wide variety of professional experience. Adept at motivating self and others. Passionate about Optimization Methods and Algorithms, Machine Learning, Big Data and educate the next generation of technology users and innovators. Oriented toward challenges that require strong problem solving skills.

Experience

2009 - 2015 · **Competitive swimmer** — Syracuse, Sicily & Turin, Piedmont
Gemini & Centro Nuoto Torino
- Competed as a competitive swimmer for two different Italian teams and achieved important results at Regional, National and European level.

2016 - 2018 · **Private Tutor** — Turin, Piedmont
Computer Technology and Maths
- Provided private lessons, concerning maths and computer technology, to high school students.

2018 - 2019 · **Research Collaborator** — Turin, Piedmont
Politecnico di Torino
- Collaboration with NetGroup PoliTO (Computer Networks Group at Politecnico di Torino): proposed a new data format, described by means of an XML schema, for the representation of all the most relevant information in the NFV and SDN contexts and implemented a RESTful web service that permits to store and retrieve the NFV/SDN information.

2019 - Now · **Software Engineer - Amadeus** — Nice Area, France
Alten
- Data Scientist and C++ developer.

Education

2009 - 2014 · **Scientific High School P.N.I. - Math and Physics** — Noto (SR), Sicily
High School Diploma, 93/100

2014 - 2017 · **Politecnico di Torino** — Turin, Piedmont
Bachelor's Degree - Computer Engineering

2017 - 2020 · **Politecnico di Torino** — Turin, Piedmont
Master's Degree - Computer Software Engineering, 96/110

Notable Project

2017 · **Wordlist Generator** — Personal Project
Tool that allow you to make your customized wordlist for penetration testing practice (brute force attack, dictionary attack, etc.). Different methods (with combinatorics and recursive approach) are available in order to make it.

2018 · **ETS - ESP32 Tracking system** — Academic Project - System and Device Programming
Distributed system to gather, analyze and store data related to triangulation and analysis of mobile devices in buildings. The system is able to to sniff probe request packets sent by smart-phones that are looking for a Wi-Fi connection. From each sniffed packet some information will be extracted and elaborated in order to do several analysis.

2019 · **Machine Learning** — Academic Project - Machine Learning and Artificial Intelligence
PCA applied on images and Naive Bayes Classifier to classify image. Validation, cross validation and grid search with multi class SVM. Convolutional Neural Network implementation from scratch in PyTorch on a big image dataset.

Skills

- **Tools**
  Eclipse, JetBrains, Visual Studio, Android Studio, JUnit Testing, Git, XAMP

- **Industry Knowledge**
  Problem-solving, Cloud Computing, Formal Languages and Compilers, Metaheuristic Algorithm, Operating System, Machine Learning, Deep Learning, Cryptography, Technical writing, Software development, Database Management (SQL, NoSQL), Unix

- **Libraries & Frameworks**
  NumPy, PyTorch, Scikit-learn, Matplotlib, Pillow, Scrapy, Selenium

- **Languages**
  C, C++, Java, Python, Bash, x86, PHP, SQL, JavaScript, HTML, CSS

- **Soft Skills**
  Attention to detail, Teamwork & cooperation, Teaching, Time management

Extra Curricular Activities

- **Coding Competition**
  Active player of online coding games (HackerRank) and participated to different hackathons.

- **Udemy courses**
  Followed courses concerning Convolutional Neural Networks, Natural Language Processing and Network Security (Nmap Ethical Hacking).

- **Member of Machine Learning Student Group at PoliTO**
  Passionate Machine Learning students of Politecnico di Torino in which ideas and knowledge are exchanged. Gained knowledge in Machine Learning and Deep Learning area.

Honor & Awards

- **Swim**
  - Undefeated Regional Champion for 5 consecutive years.
  - Five Italian National finals (hit a 3rd place and two 4th ones).
  - Participated twice in International Competition (hit a semifinal and one 1st place in Cat. Junior).

- **Hackathon**
  - First place in "Hello BOT!" by Mu Nu Chapter of IEEE: developed a Python telegram BOT.
  - First place in "Like@Home" by Mu Nu Chapter of IEEE (sponsored by Reply): developed an home assistant for Cloud Speech-to-Text service.