

Profile

I sympathise with problems, creative solutions and quantitative approaches. Independent working as well as collaboration with diverse groups are part of my background experience. Dedication, curiosity and resiliency are three core aspects of my working ethic.

Experience

Research Assistant, Department of Management and Production Engineering - Politecnico di Torino; Italy – April 2018 - July 2018

"Models and Algorithms of Mathematical Programming and Artificial Intelligence for problems of Combinatorial Design" supervised by Prof. Della Croce.

- Mathematical models for discrete-mathematics problems, in particular, combinatorial design ones. *MIP and CP* approaches. (*working paper in preparation*) [Also on gitHub](#)
- OR approaches for sport scheduling, in particular Tennis, with MIP and heuristic techniques (*working paper in preparation*).
- HPC@PoliTO collaboration for Combinatorial Design hard instances
- Seminars and conferences:
 - Fairness in Sport - Ghent, April 2018 (attendance)
 - EURO 2018 - Valencia, July 2018 (contributed presentation as speaker - stream OR in Sports)

Summer Intern, IT Developer and CIO, Cean SpA; Trofarello, Italy – Sept. 2015 - April 2018

The work involved the management of IT system and the design of information system for the family business.

- *Project Manager* in charge of ERP implementation: *Salesforce CRM* and *eSolver ERP* (2015-2018)
- *Developer* of CEAN 360 App (iOS)
- *Project Manager* in charge of Asana performance system: performance measures and rewards for employees.
- *Project Manager, mentor and judge* for *Startup Weekend Retail*: Held in Turin on March 2016, organised in joint with the I3P business incubator of Politecnico di Torino.
- *Founder* of CEAN Color :The creative branch currently employs more than 12 designers and coders envisioning innovative solutions in the food-retail sector.
- Information systems management, workflows and IT infrastructure.

Contract Teacher, IIS Majorana; Moncalieri, Italy – 2016-2017

Teacher for extracurricular courses "2016 - [Brands](#)" and "2017 - [CEAN Next](#)". The courses were designed for senior high-school students.

Education

Polytechnique Montréal, PhD/Master of Research in Applied Mathematics; 2019-2021

Supervised by Prof. Andrea Lodi.

Politecnico di Torino, Industrial Engineering; Turin, Italy - 2015-2018

Scholarship: Percorso Giovani Talenti (Excellence track) [More Information](#)

Graduated *a semester in advance* (compared to the official duration) with 104/110 as of 20th March 2018.

Thesis in Combinatorial Optimization "*Fair players allocation in ATP Tournaments generation: a combinatorial optimisation approach.*" Supervised by Prof. Della Croce and Dr. Rosario Scatamacchia ([More](#)). Go to [the complete Thesis](#)

Highlights: Operations Research, Mathematical Analysis I, MatLAB and Geometry, Object Oriented Programming, Computer Science, Economics and business organisation, Energy Progress and Sustainability, Strategic Management (UniTO course).

Tampere University of Technology, Exchange Student; Tampere, Finland - Aug. 2017-Jan 2018.

ERASMUS+ exchange student in Industrial Engineering and Computer Science Faculties. GPA: 3.75/4.

Highlights: Technology and Innovation Management, Turning Technology into Business, P2P & IoT, Software Business, Computer Networking I.

IIS Majorana, High-School; Moncalieri, Italy – 2010-2015

Graduated with mark 100 cum Laude/100 - Applied Sciences *Lyceum*.

- GPA of 9.6/10 for the 5th year • Student Body President (2 terms)
- Founder M1 Online (newspaper) and iOS+Android App Coder
- School Board and executive board member (CDI + GE)
- Tests: SAT Math: 720 — SAT Math 1: 730 — SAT Math 2: 740
- *Albo Nazionale delle Eccellenze - MIUR* : INDIRE index for excellence as of Maturità exams of 2015.

Languages

English - Full professional and academic proficiency *TOEFL iBT 103* (July 2016)

Italian - Native proficiency

Skills

• **Coding and frameworks**

Web-based languages expert

PHP - HTML - CSS - Javascript - jQuery - OnsenUI

(Mobile-oriented languages *advanced*)

Phonegap framework - Apple objectiveC - Swift

Generic

Java - C++ - Bash - SQL - Latex - MatLab - Gephi - CPLEX

• **Linux sys-admin capabilities**

Hobbies

- Art exhibitions
- Running
- Reading
- Vinyls
- Swimming
- Traveling
- Playing guitar

Developer – 2012-2015

Activities concerned with development and maintenance of websites, most of them related to online games. Managed an online game from 2009 to 2011.

Volunteering

Video-maker, AREA_G Piemonte; Turin, Italy – June 2015

CO-Presenter, TEDxTorino 2018; Turin, Italy – January 2018

Various

20 Ventenni di Successo, La Repubblica D – May 2016

Il Politecnico studia la Matematica del tennis, La Stampa – April 2018

September, the 3rd 2018.

A handwritten signature in dark ink, reading "Galileo D'Amico". The signature is written in a cursive, flowing style.