

Gabriele Sarti

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Education

CÉGEP of Saint-Hyacinthe

Collegial Studies Degree (DEC) in IT Management - R score 34.134

Saint-Hyacinthe, Canada

August 2015 - May 2018

- Valedictorian of IT Management class
- Graduated with work-study mention with final internship under the supervision of Prof. Hugo St-Louis.

G. Galilei Scientific Lyceum

Scientific Lyceum Degree in Applied Sciences - 97/100

Trieste, Italy

September 2010 - July 2015

- Final thesis "Behavioral Game Theory: Ius Gentium of Our Era"

Experience

Skytech Communications

Internship in Deep Learning and Data Engineering

Montreal, Canada

February 2018 - June 2018

- Development, testing and deployment of an handwritten characters recognition system in a distributed environment using Tensorflow and Keras. The system improved the performances of an application used to match archived documents with students based on their content.

Groupe CTT Group Research Center

Three internships in Software Testing and Software Development

Saint-Hyacinthe, Canada

October 2015 - August 2017

- Development and optimization of a C++ application used for 3D modeling of textile composites.
- Creation of a verification process for a software used to validate lab analysis on geosynthetic products.
- Development and optimization of an ERP local website used to manage the center's organizational aspects.

Skills

Programming Languages

Python, C#, C++, Java, Javascript, Erlang, F#, SQL

Domain Knowledge

Web Dev, Agile, SCRUM, Databases and optimized querying, UI & UX

Frameworks

.NET, Tensorflow, Keras, Entity, Scikit-learn, Pandas, Numpy

Languages

Italian (main), French (~C2), English (~C1), Spanish (~B2)

Tech Tools

Visual Studio, Jupyter Notebook, Git, Azure, Markdown

Talks

The Impact of AI on Education

GABRIELE SARTI & ALEXANDRE BRUNET, June 7, 2018, Saint-Hyacinthe (CA)

38th Symposium of Quebec Association of Collegial Pedagogy (AQPC)

The lecture was about future developments of educational technologies using AI and their ethical implications.

Participation in a research project on using preforms in manufacturing composite components

GABRIELE SARTI, May 10, 2016, Montréal (CA)

84th Congress of French-Canadian Association for the Advancement of Science (ACFAS)

This lecture's main topic was my contribution to the 3D preforms project during my internship at Groupe CTT.

Extracurricular Activity

Political and Social Engagement

Canada

Vice-President

Collegial Student Federation of Québec (FECQ) Institutional Affairs Committee (CTAI)

2017

- Coordinate the reviewing process for the Federation official documents.

President

CÉGEP of Saint-Hyacinthe Student Union (RÉÉCSH) Executive Committee

2017-2018

- Managing an annual budget of roughly 200 000 CA\$ for the 5000 members of the Union.
- Assembly president for executive and administrative board meetings.
- Official spokesperson for the students of CÉGEP of Saint-Hyacinthe.

Coordinator of Sociopolitical Affairs

CÉGEP of Saint-Hyacinthe Student Union (RÉÉCSH) Executive Committee

2016-2017

- Promote students' mobilisation and involvement in social and political activities.
- Devise social and political activities with Union's partners.

Administrative Board Member

CÉGEP of Saint-Hyacinthe

2016-2018

- Taking role in various decision about the organisation of CÉGEP.
- Member of the Development Fund Committee in 2016-2017

Volunteer and Social Media Manager

AFS Intreculture Canada, Deux-Monts Local Committee

2015-PRESENT

Awards and Certificates

- **Top Writer 2018 Award**, Quora Italia, 2018
- **Hydro-Québec Preseverance Scholarship for IT Students**, CÉGEP of Saint- Hyacinthe, 2016
- **C2 Level in French Knowledge Test (TCF)**, Alliance Française Trieste, 2014
- **Success Certificate for Exchange Year in Canada**, AFS Interculture Italy, 2014
- **First Prize of Physics Competition "Giochi di Anacleto"**, G.Galieli Scientific Lyceum, 2012

Massive Online Courses

Online

edX

- **Introduction to Computer Science and Programming Using Python**, MITx, March 2016
Certificate: <https://courses.edx.org/certificates/cd85618af6da4fa9b0c68953ee405105>

Coursera

- **Introduction to the Internet of Things and Embedded Systems**, University of California Irvine, May 2016
Certificate: <https://www.coursera.org/account/accomplishments/certificate/WJYCY34KKSCW>
- **The Arduino Platform and C Programming**, University of California Irvine, May 2016
Certificate: <https://www.coursera.org/account/accomplishments/certificate/JM8E9GBJ8RVL>
- **Interfacing with the Arduino**, University of California Irvine, June 2016
Certificate: <https://www.coursera.org/account/accomplishments/certificate/PHGNSL6S9ZSW>
- **The Raspberry Pi Platform and Python Programming**, University of California Irvine, July 2016
Certificate: <https://www.coursera.org/account/accomplishments/certificate/TE9ZMSK99G8C>