

## Mr. Gabriele Sarti

gabriele.sarti996@gmail.com

8710 Rang 3e • Saint-Hyacinthe, QC (CA) J2R 1W2 • (450) 502-5697

### EDUCATION

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#### Cégep of Saint-Hyacinthe

Saint-Hyacinthe, QC (CA)

**Collegial studies degree (DEC)**, Computer Science, IT Management, R score: 33.1      *Expected May 2018*

All courses are in French.

*Fields of Study:* Software creation and deployment (using C# and C++), Website conception and hosting (using ASP .NET MVC framework), Databases creation and management (using Microsoft SQL Server and Entity Framework), Networking (Server creation, Users permissions, Scripting), Cybersecurity, E-Commerce, Data structures, Design patterns and Management methodologies (Agile, SCRUM).

#### G. Galilei Scientific Lyceum

Trieste (IT)

**Lyceum Diploma**, General Studies, Applied Sciences, Grade: 97/100

July 2015

All courses were in Italian.

*Scientific Subjects:* Informatics, Mathematics, Biology, Chemistry, Earth Science, and Physics.

*Humanities Subject:* English and Italian Literature, History (focus on Europe and Italy), Art History.

*Final Exam Thesis:* “Game Theory and Prisoner’s Dilemma: Ius Gentium of Our Era”.

### RESEARCH INTERESTS

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E-textiles products (Smart clothing)

Applications of Game Theory

Quantum computing

Quantum Physics and the Origins of Cosmos

Artificial Intelligence, Machine Learning

Internet of Things and Smart Products

### WORK EXPERIENCE

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#### CTT Group

Saint-Hyacinthe, QC (CA)

**Research Intern**, ASP. NET Web Development

*October 2016 - Present*

Updating and debugging of an ASP. NET Website used for managing many aspects of the company, such as staff, events, products and worktime for Dr. Olivier Veermersch.

**Assistant Intern**, Analysis Validation

*May 2016 - August 2016*

Creation and application of a verification process for the new software used to validate laboratory analysis concerning textile and geosynthetic products for Dr. Louise Dubreuil.

**Research Intern**, C++ Software Development

*October 2015 - May 2016*

Debugging and optimization of software conceived to create 3-dimensional textile products for the aerospace industry for Eng. Johnathan Levesque.

### SKILLS

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- Proficient in programming and web design with Python (Django framework)
- Proficient in creation of circuits using Arduino and Raspberry Pi systems and shields.
- Fluent in English, Italian and French. Good knowledge of Spanish.

## PRESENTATIONS

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“Participation in the realisation of a research project concerning preforms for the manufacture of composite parts”, 84<sup>th</sup> Congress of the *French-Canadian Association for the Advancement of Science (ACFAS)*, Montreal, May 2016.

## AWARDS AND CERTIFICATES

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- First Prize, Interscholastic physics competition “Giochi di Anacleto”, 2012
- Success certificate, Exchange year in Canada, AFS Interculture Italy-Canada, 2014
- C2 Level in the Common European Framework of Reference for Languages (CEFR), French Knowledge Test (TCF), Alliance Française de Trieste, 2014
- Audience’s Favorite Performance, Intercollegiate Talent Show “Cégep en Spectacle”, 2016
- Audience’s Favorite Performance, Intercollegiate Talent Show “Cégep en Spectacle”, 2017
- Hydro-Québec Perseverance Scholarship for IT Students, 2016
- Online Courses Certificates:
  - “Introduction to Computer Science and Programming Using Python”, MIT, edX  
License: cd85618af6da4fa9b0c68953ee405105, March 2016
  - “Introduction to the Internet of Things and Embedded Systems”, UCI, Coursera  
License: WJYCY34KKSCW, May 2016
  - “The Arduino Platform and C Programming”, UCI, Coursera  
License: JM8E9GBJ8RVL, May 2016
  - “Interfacing with the Arduino”, UCI, Coursera  
License: PHGNSL6S9ZSW, June 2016
  - “The Raspberry Pi Platform and Python Programming for the Raspberry Pi”, UCI, Coursera  
License: TE9ZMSK99G8C, July 2016

## EXTRACURRICULAR ACTIVITIES

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|---|-------------------------|
| • Development Fund Committee Member, Cégep of Saint-Hyacinthe   | March 2017 - Present    |
| • Administrative Board Member, <i>COOPSCO Saint-Hyacinthe</i>   | October 2016 - Present  |
| • Administrative Board Member, <i>Cégep of Saint-Hyacinthe</i>  | August 2016 - Present   |
| • Coordinator of Sociopolitical Affairs,<br><i>Executive Board of Cégep of Saint-Hyacinthe Student Council (RÉÉCSH)</i> | July 2016 - Present     |
| • Administrative Board Member, <i>RÉÉCSH</i>  | February 2016 - Present |
| • Volunteer and animator for exchange students, <i>AFS Interculture Canada</i>  | 2015 - Present          |
| • Volunteer for immigrant’s children integration, <i>Community of Sant’Egidio</i>                                       | 2012 - 2013             |

## REFERENCES

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Marc Leclerc  
*Director of Research*  
Cégep of Saint-Hyacinthe  
[mleclerc@cegepsth.qc.ca](mailto:mleclerc@cegepsth.qc.ca)

Hugo St-Louis  
*IT Teacher*  
Cégep of Saint-Hyacinthe  
[hslouis@cegepsth.qc.ca](mailto:hslouis@cegepsth.qc.ca)

Philip Tarsia  
*English Teacher*  
G.Galilei Scientific Lyceum  
[philtarsia@gmail.com](mailto:philtarsia@gmail.com)