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# MARCO SELVATICI

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## EDUCATION

<b>London, UK</b> MEng in Electronic and Information Engineering.	<b>Imperial College London</b>	<b>2017 - Present</b>
<b>Imola, IT</b> School with a particular focus on scientific subjects (relevant disciplines: Math, Physics, IT and Science). Graduated with score 100/100 and a commendation. Full marks in all the exams. Consistent best academic performance among the students in my year between 2014 and 2017.	<b>Liceo Scientifico F. Alberghetti</b>	<b>2012 - 2017</b>

## EMPLOYMENT

<b>Software Engineer, Intern</b> Feasibility study for an OCR based application: developed a software that compared the performances of three different OCR readers on a set of images. Strengthened team-working skills and gained the ability to work in a high professional environment.	<b>SpecialVideo</b>	<b>Summer 2016</b>
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## PROJECTS AND ACTIVITIES

• Started to learn <b>front-end web development</b> (designed a web page about me and other little websites).	<b>2017</b>
• Developed several <b>Telegram bots</b> (e.g. a bot that alerts you when you receive a new Instagram or Facebook notification).	<b>2017</b>
• Followed an online course and several tutorials about <b>artificial intelligence</b> . Implemented feed-forward neural networks, Q-Learning algorithms, minimax algorithms and genetic algorithms (Python and C++).	<b>2016-17</b>
• Project "Voglia di Informatica": <b>tutored</b> a group of pupils of my school for around 100 hours in preparation for the Italian Olympiads in Informatics, teaching them algorithms and data structures in C++. Several students achieved outstanding results. Gained strong communication and teaching skills from that experience.	<b>2016-17</b>
• Attended <b>two full-immersion Informatics courses</b> with the other top 20 Italian Informatics Olympiads contestants in preparation and selection for the International Informatics Olympiads.	<b>2016</b>

## AWARDS

• School bursary for the Project: "Voglia di Informatica".	<b>2017</b>
• 13 <sup>th</sup> position at Italian Individual Informatics Olympiads (top 0.01% over 20'000+ contestants).	<b>2016</b>
• 6 <sup>th</sup> position at Italian Informatics Olympiads for Teams (top 3% over 200+ teams).	<b>2016</b>
• 12 <sup>th</sup> position at Italian Natural Science Olympiads (top 0.01% over 25'000+ contestants).	<b>2014</b>

## TECHNOLOGIES AND SKILLS

- Programming languages: C++, Python, SQL (basic knowledge), HTML, CSS, JavaScript.
- OCR libraries: Halcon, Matrox Imaging Library.
- Artificial Intelligence libraries: Tensorflow, Keras.
- Problem solving skills gained participating at Italian Olympiads.

## LANGUAGES

- Italian (native).
- English (advanced knowledge).
- Spanish (basic knowledge).