Beit Hall, Prince Consort Rd.
London, SW7 2BB
Room 041

MARCO SELVATICI

(+39)347 171 6834
marcoselvatici98@gmail.com
Website - Linkedin

EDUCATION

London, UK	**Imperial College London**	**2017 - Present**

MEng in Electronic and Information Engineering.

Imola, IT	**Liceo Scientifico F. Alberghetti**	**2012 - 2017**

School with a particular focus on scientific subjects (relevant disciplines: Math, Physics, IT and Science).
Graduated with score 100/100 and a commendation.
Consistent best academic performance among the students in my year between 2014 and 2017.

EMPLOYMENT

Software Engineer, Intern	**SpecialVideo**	**Summer 2016**

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.

PROJECTS AND ACTIVITIES

- Started to learn **front-end web development** (designed a web page about me and other little websites). **2017**
- Developed several **Telegram bots** (e.g. a bot that alerts you when you receive a new Instagram or Facebook notification). **2017**
- Followed an online course and several tutorials about **artificial intelligence**. Implemented feed-forward neural networks, Q-Learning algorithms, minimax algorithms and genetic algorithms (Python and C++). **2016-17**
- Project "Voglia di Informatica": **tutored** 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++. **2016-17**
  Five of them arrived among the top 100 over 20'000+ contestants at Italian Individual Informatics Olympiads.
  One team won 3 over 5 national rounds at Italian Informatics Olympiads for Teams.
  Gained strong communication and teaching skills from that experience.
- Attended **two full-immersion Informatics courses** with the other top 20 Italian Informatics Olympiads contestants in preparation and selection for the International Informatics Olympiads. **2016**

AWARDS

- School bursary for the Project: "Voglia di Informatica". **2017**
- 13th position at Italian Individual Informatics Olympiads (top 0.075% over 20'000+ contestants). **2016**
- 6th position at Italian Informatics Olympiads for Teams (top 3% over 200+ teams). **2016**
- 12th position at Italian Natural Science Olympiads (top 0.075% over 25'000+ contestants). **2014**

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).