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# ANDREA D'OLIMPIO

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## PROFILE

Enthusiastic Computer Science student currently averaging a first. Creative self-taught Java and Python programmer with a thirst for knowledge. Hackathon goer and winner. Fascinated by how things work, I love environments in which I can learn and grow into. Stimulated by challenges, and a great problem solver. Versatile. Fast learner. Keen interest in machine learning and AI. Determined to change the world by realising innovative IT projects. Strive for better, never settle for 'ok' solutions. Ambitious, goal achiever.

## SKILLS

- **OOP:** Proficient in Java with knowledge of the JUnit testing and Android SDK; experience in Python with familiarity of Sci-kit learn framework; experience in UML Modelling
- **Procedural:** C with knowledge and experience of the Pebble SDK
- **Functional:** List processing with Scheme
- **Database:** MySQL database management. Also familiar with CSV, XML and JSON data representation.
- **Scripting:** experience with Awk and Unix Shell Scripting, and familiar with Node.js and the jQuery library
- **Web:** Familiar with HTML CSS and JavaScript
- Experience in Agile Software Development
- Git version control.
- **Languages:** proficient in Italian (native) and English (IELTS: 7.5). Intermediate in Spanish, beginner in Mandarin Chinese
- **Professional:** team work, presentation skills and TeX report writing
- Prominent in Maths, Logic, and problem solving.

## EXPERIENCE

**Dec 2012 - Jun 2013 Software Developer and Editor, HackStore, <http://hack-store.com>**

Having published OSX scripts on HackStore platform, they offered me additional editorial rights to publish scripts without moderation. Soon after presenting an idea for a theme styler, HackStore hired me as a freelancer to develop the project.

Completed requirement analysis, the web application was created in JavaScript, HTML and CSS. iConStyler was the first theming platform for non-jailbroken iOS devices.

Demonstrated creativity, problem solving skills and gained experience as a front-end developer. Time management, and good management of the project.

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## EDUCATION

**2015 - Present    University of Southampton, MEng Computer Science**

**Part I**            Completed with an overall mark of 85%. Gained a better knowledge of Object Oriented Programming concepts from design to code, realising 3 course projects including a Fractal Explorer and a Client/Server System. Learnt about algorithms and Data Structures. Understood data management systems. Extended mathematical and logical background. Enhanced professional skills such as report writing and presentation.

**Part II**            Modules include: Theory of Computing, Distributed Systems and Network, Intelligent Systems (project: AI that solves the 8-puzzle), Functional Programming, Programming language concepts, Interaction Design, Computer Systems II. Also includes a Software Engineering Group project.

**2010 - 2015    Liceo Scientifico Amedeo Avogadro, Rome, Italy. Diploma Esame di Stato 100/100**

Completed my school studies achieving 100% in the final exam, covering 10 different subjects, including: Maths (10/10) and Physics (10/10).

## ACHIEVEMENTS

- Achieved third place in SotonHack hackathon in partnership with Major League Hacking. Showing good team leading skills and strong ability to learn quickly. Rapidly familiarised with the Android Development environment. Introduced to Firebase Database System.
- Awarded both the 2 sponsor prizes at HackCortona2016 hackathon. Demonstrated team leading skills, presentation skills and priorities management. The project was completed within 24h and involved the usage of C, JS, Android SDK and Pebble SDK and Pusher API, the last two learnt during the competition.
- Awarded a scholarship ticket to WebSummit2016. Will be able to exchange ideas with the greatest tech entrepreneurs. Planning to endorse my innovation, creativity, and business skills.
- Winner of Hack in the Dark at HackCortona2016. Showing fast thinking and good memory of HTML and CSS attributes.
- Selected to take part in J.P. Morgan and Cambridge Coding's Machine Learning workshop. Advanced in Scikit-learn and machine learning techniques. Final project: spam detector with 98% accuracy.
- Took part in internet security hackathons hosted by Netcraft and BT GES as part of a group. Gained experience with PHP, SQL, Unix, Tor, and web security in general.

## INTERESTS

- Member of the University Triathlon Team, I believe in the latin motto: *Mens sana in corpore sano* .
- Passion for Physics and Astronomy, love reading about the nature of things and how the universe works.
- Volunteer at UnionFilms student cinema. Making films more accessible to people by working in a volunteer led cinema. Improved communication skills and team work, as well as time management and organisation.
- Traveller, visiting or living in different countries keeping my mind flexible to new ideas. My passion for travelling encouraged me to move to a new country.

## REFERENCES

Available upon request.

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