Pier Paolo Ippolito

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EDUCATION

University of Southampton — Southampton, UK

MEng (HONS) Electronic Engineering with Artificial Intelligence; On course for first class. — *Sept 2016 – June 2020*

- **Dissertation - Alleviate children's health issues through games and Machine Learning**: Developed a suite of games designed to help children's affected by disabilities. These games are synchronised with a wireless EEG wearable device used to register the children brain activities. Analysing the brainwaves data, using Machine Learning, has then been possible to correctly classify with 96.9% accuracy if a child if affected or not by autism.

Liceo Scientifico Enrico Fermi — Aversa, Italy

Esame di Stato (A-Level Equivalent); Esame di Stato = 99/100 (A*AA Equivalent). — *July 2011 – July 2016*

RELEVANT EXPERIENCE

Documation Software Ltd — Southampton, UK

Spring-Intern, Software Developer — *April 2019 - April 2019*

- **Robotics Process Automation (RPA)**: I designed and implemented two programs using UIPath to automate supplier's registration and creation of invoices into financial systems (Sage 50).
- **Execution Speed Up**: The two programs I developed are currently used by Documation and its customers. Their application has been proved to speed up these processes up to three times.

Proofer.com — Southampton, UK

Part-time Software Engineer — *Sept 2018 - February 2019*

- **Chrome Extension Designer**: Collaborated part-time with the Start-Up Proofer.com to design their Web Chrome Extension using programming languages such as Javascript, SQL and HTML.
- **Proofer.com**: Is a social media management online service. It helps business to schedule, proof and plan their social media content to save time and expand their business.

University of Southampton — Southampton, UK

ECS Research Intern — *June 2018 - Sept 2018*

- **Next-gen Micro-LED displays**: Designed and tested (using Python) the chip and board layout for a monolithic quantum dot-enhanced microdisplay demonstrator device.
- **Global Impact**: This project was carried out in collaboration with a University in Hong-Kong to research how to improve the efficiency of next generation Micro-LED displays.

Barclays — Glasgow, UK

Technology Spring Intern — *Apr 2018 - Apr 2018*

- **Insight Programme**: Attended an Insight Programme for Barclays in Glasgow during which I had shadowing sessions for both roles of Developer and Business Analyst.
- **Technologies in Finance**: Gained a greater understanding of the financial market and of the increasing impact technology is going to have in this environment (ex. AI, Open Banking, API and Big Data).

SKILLS

- **Programming Languages**: Python/UIPath/C/C++/HTML/CSS/Java-script/MATLAB/Linux Terminal.
- **Writing/Presentation Software's**: LaTeX/Microsoft Office/Markdown/Prezi.

ACTIVITIES

- **Events**: Facebook Analytic Academy 2018, J.P. Morgan: Introduction to Big Data Analytic using Spark and Python 2018 (Spark data-set challenge winner), Microsoft: Deep Learning Data Analysis in Azure Workshop.
- **Hackathons**: Facebook London Hack 2019: First Challenge Winner, Hack The South 2019: Best Hardware Prize Winner.
- **Societies**: I am a committee member and founder of the University of Southampton Artificial Intelligence Society (USAIS). I regularly prepare and present society workshops.
- **Medium Blogger**: I am currently a writer for publications such as Towards Data Science and Hacker-Noon. I frequently publish posts about Artificial Intelligence and Software Development. Additionally, I also have my own personal blog.
- **Kaggle Contributor**: I regularly take part in Kaggle Competitions and contribute to open source Kernel analysis.
- **D4 Design Exercise**: Designed a connected device for the Internet of Things and Smart Homes (Smart Lamp).