Pier Paolo Ippolito

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EDUCATION

- **University of Southampton** — Southampton, UK
  MSc Artificial Intelligence — *Sept 2019 – Sept 2020*

- **University of Southampton** — Southampton, UK
  BEng (HONS) Electronic Engineering; First Class Honours Degree. — *Sept 2016 – June 2019*
    - **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.
    - **D4 Design Exercise**: Designed a connected device for the Internet of Things and Smart Homes (Smart Lamp).

- **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

- **Fidessa** — Woking, UK
  Service Delivery Intern — *Jul 2019 - Sept 2019*
    - **Financial Services**: Fidessa is a financial services company with offices all around the world. Every year $26 trillion worth of transactions flows across Fidessa global network.
    - **Web Development**: As part of my experience, I improved the Fidessa online tools framework working in the Financial Derivatives Automation Team. This role involved working on the client-side using HTML/CSS/ Javascript, and on the server-side using SQL.

- **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.

- **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.

SKILLS

- **Programming Languages**: Python/UIPath/SQL//HTML/CSS/Java-script/MATLAB/Android Studio.
- **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 freeCodeCamp, where I frequently publish posts about Artificial Intelligence and Software Development (more than 20000 views per month). Additionally, I also have my own personal blog and personal website where I share my programming projects.
- **Kaggle Contributor**: I regularly take part in Kaggle Competitions and contribute to open source Kernel analysis.