

# Pier Paolo Ippolito

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## EDUCATION

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- **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 is 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

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- **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

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

## ACTIVITIES

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- **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.