

## STUDIES

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- 2016 - 2020**  
**(2:1 overall)** **Imperial College London - Joint Mathematics and Computer Science (MEng), London**  
Machine Learning - Reinforcement Learning - Software Design - Network & Web Security - Databases  
- Implementation of a Blockchain-Based Framework for Users of the **Nightset** App To Achieve Rewarding and Authentic Online Promotions (Using Solidity and JavaScript)  
- Creation of changeXchange, a Peer-To-Peer Intuitive Fee-Less Currency Exchange Mobile Application for Young Travellers (Using Mainly Java and SQL)
- 2013 - 2016**  
**(1st overall)** **Lycée Français Charles de Gaulle (LFCG) - A-Level Baccalaureat with Highest Honours, London**  
- Scientific A-Level (French Baccalaureat S), with specialization in Mathematics  
- European option (extra mathematics taught in English).

## PROFESSIONAL EXPERIENCE

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- Summer 2019**  
*(4 months)* **Software Development Engineering Intern, Amazon U.K., Prime Video, London**  
- Built a program to automatically detect synchronisation errors between the subtitles & audio of any video  
- Implemented Computer Vision methods with Python, built a DNN-based voice activity detector
- Summer 2018**  
*(3 months)* **Undergraduate Research Opportunity (U.R.O.P.), Imperial College London, Dr. Emil Lupu**  
- Research in Threat modelling and Attack Graphs across human, physical and cyber vulnerabilities.  
- Theoretical research in the creation of a unified model that would take into account the three types of attacks (stated above) a system can be vulnerable to.
- Summer 2017**  
*(2 months)* **AQUA Nueva Restaurant Runner, London**  
- In depth knowledge of restaurant organisation and functioning,  
- Customer relations, overall communication and organisation skills notably improved.
- 2016 - 2017**  
*(11 months)* **Student Fundraising Co-ordinator, Dig Deep, London**  
- Raised £1,500 for the fight against the lack of access to safe and clean water in Sub-Saharan Africa,  
- Improvement in management, financial, communication and global people skills.

## COMPLEMENTARY ACTIVITIES

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- 2017 - 2019**  
**2017 - Present** **Treasurer for Wakeboarding Society, Imperial College London**  
**Founding President and Treasurer of Oenology Society, Imperial College London**  
- The society provides regular tastings with our partners, including LVMH and Champagne Bureau U.K.
- Mar 2019** **IC Health Hack 2019, project `Munsjuk`.**  
- Created Munsjuk: a smart-phone based tool for quick, easy and reliable diagnostic of oral STI symptoms.  
- Build the back-end in Python using OpenCV for computer vision and the front-end with Flask and Swift.
- Oct - Nov 2017** **Participation in ICPC 2017, Competitive programming contest, team `The Tourists`.**  
- 1st team for Imperial College at both UKIEPC and NWERC. 17th and 46th place respectively overall.
- Jan - Jun 2017** **Weekly bake sale at International School, Collège Français Bilingue de Londres (CFBL), London**  
- Operation of a weekly sale for a non-profit cause (Dig Deep) for over 600 children and parents,  
- Partnership with renown french bakery (Le Nôtre).

## LANGUAGES & SKILLS

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- **French and English** : Mother tongues  
- **Spanish** : Fluent (100% in French A-Level)
- Higher level in **Python, Java, Ruby and JavaScript**  
- Medium level in **C, C++, Haskell and Solidity**