

STUDIES

- 2016 - 2020**
(2:1 overall) **Imperial College London - Joint Mathematics and Computer Science (MEng), London**
Software Design - Machine Learning - Artificial Intelligence - 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

- 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.
Related document: Letter of Authority

COMPLEMENTARY ACTIVITIES

- 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.
Related documents: IKIEPC Certificate
- Jan - Jun 2017** **Weekly bake sale at International School, Collège Français Billingue 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

- **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**