Jin Yun Soo | jinyun.soo13@ic.ac.uk | jinyunsoo@gmail.com | +44(0)7934005680
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Education
MEng Electrical and Electronic Engineering, Imperial College London   2013 - 2018
Worked during gap year before enrolling in university in 2013. Took medical leave from university in the 2014-2015 academic year.
- Penultimate / third-year student in the 2016 - 2017 academic year. **First Class in third year**.
- Best module thus far: **Artificial Intelligence** (Grade: **A+**)

GCE A Level Results	Physics A*, Mathematics A*, Chemistry A, Biology A	2012
SAT II Subject Tests	Physics 800/800, Mathematics II 760/800, Chemistry 750/800	2012

Projects (https://github.com/jysoo)
Open Source Contribution: Currently learning about distributed systems with the aim of contributing to Ceph
Personal Website: Designed and built using Angular. Deployed as a cloud app using Microsoft Azure.
Year 2 Group Project: Responsible for the **Bluetooth LE Android app (Java)** of the **Pickpocket Prevention tool**. (Grade: **A+**)

Work Experience
Schlumberger Abingdon Technology Centre (AbTC)   Software Engineering Intern   Apr 2017 - Sep 2017
- Technology stack: **Docker, Kubernetes, Microsoft Azure**, **Google Cloud, Angular, Electron, Python**, **Golang**
- Commercial software development. Digital transformation from desktop applications to cloud-based services.

McKinsey Discover, London   One of 43 participants selected from around 1200 applicants for residential programme. 2016
- Used McKinsey's approach to solve business case studies and deliver presentations. Honed interpersonal and soft skills.

TuringLab, London   Lead instructor for paid coding lessons   Oct 2015 - Dec 2016
- Volunteered to deliver free coding lessons for girls and less privileged children.

Bloomberg LP, London   Trading Solutions Connectivity and Integration (TSCI) Summer Intern   Jun - Sep 2014
- Worked with proprietary Visual Programming Language (VPL) based on **F# language**, **PDF syntax, XML, XSD, FIX message**
- Used proprietary VPL based on F# language to create Automation Tool to generate Weekly Project Status Reports for clients.
Project presented by manager in Bloomberg's annual summit in New York.
- Used proprietary VPL based on F# language to complete Fixed Income Trading (FIT) Integration project.
Liaised with FIT department. Created Transform to parse FIX message into XML with detailed handling of Repeated Groups.

University Royal Naval Unit (URNU) London   2013 - 2014
- Royal Navy training establishment that aims to develop undergraduates who show the potential to become the leaders of tomorrow, through maritime experience and exposure to the values and ethos of the Royal Navy.
- Officer Cadet (OCDT). One of around 20 new cadets selected in 2013 from universities in London.

Revietex   Proofread scientific or engineering academic papers (written in English) by Korean universities   2013 - 2014

Extracurricular Activities and Awards
Old Centralians' Trust Student Activity Award (Peter Lindsay Award)   2017
- Each year, two undergraduates from each department in the Faculty of Engineering are awarded for all-round involvement in university life. I was awarded for my involvement in tech education and plans for the Imperial College Advanced Hackspace.

BP Women in Science and Engineering Award   Awarded by BP via the Faculty of Engineering   2016

Imperial College Advanced Hackspace Champion (Student volunteer). Helping to start Mixed Reality Initiative.   2016 - present

US Young Southeast Asian Leaders Initiative (YSEALI) YOUnified Malaysia 3rd Anniversary Project Funding   2016
Advisor, Team XX Factor: One-day programme comprising of team games to inspire teen girls to pursue STEM with confidence
- Advised on funding proposal and idea development. Won funding from the US government's YSEALI programme.
- Designed cryptography game that introduces basic concepts in coding with Python to participants.

Robogals (London Chapter)	Volunteered to teach children robotics with the aim of increasing girls' participation	2014
Imperial Hub CoderDojo	Worked with fellow volunteers to teach youth/children coding	2013 - 2014

Programming Languages / Framework Python, C++, Golang, Typescript, Javascript, Prolog, Java. HTML, CSS. Angular, Electron.
Language Skills   Native/Bilingual proficiency in English, Mandarin (traditional, simplified), Cantonese, Malay. Some Japanese.
Interests   Theory of Music (two-time Hedy King Robinson Award winner), Music Composition, Piano, SCUBA diving