ZHAI ZIRUN

+44 7510 741673 | zhaizirun1@gmail.com | https://github.com/zzirun

EDUCATION

Imperial College London (Sep 2019 - Present) Bachelor of Engineering, Computing	• On track to first-class (attained overall A in first year, with an A in programming practical) • Modules include: Graphs & Algorithms, Computer Architecture, Reasoning about Programs, Intro to Databases
Hwa Chong Institution (Jan 2017 - Dec 2018)	• Selected for Gifted and Talented Education (GATE) Physics Program, a talent program for high achievers in Mathematics and Sciences with a class of 25 students selected from 2000 students

WORK EXPERIENCE AND PROJECTS

Singapore Management University Research Assistant (Aug 2020 - Oct 2020)	• Trained deep learning models using tensorflow in Python • Built a database of bugs found in open-source deep learning projects that could be used to train a model to identify bugs in deep learning projects and suggest solutions • Created a test suite with Python to speed up the identification of the presence of bugs
Clickerance Initial Team Member & Back-end Developer (Jan 2020 - ongoing)	• Developed concept and confirmed technical viability of a Chrome extension dedicated to making grocery shopping online according to dietary preferences more accessible • Currently working on a Minimum Viable Product using SQL, Javascript and Node.js and looking to raise a seed round
NEC Asia Pacific Support Engineer (Mar 2019 - Apr 2019)	• Conceptualised and applied employee training programs to make up for technical faults in biometric security systems in government infrastructure, reducing instances of error by 20%
Nanyang Research Program Researcher (2017 - 2018)	• Applied Deep Learning to Tactile Perception through Natural Language Processing using Python • Research paper was published at the 19th International Conference on Computational Linguistics and Intelligent Text Processing • Received Gold award from Nanyang Research Program, a research outreach program conducted by Nanyang Technological University
Lee & Lee Advocates & Solicitors Intern (Dec 2017)	• Attended court hearings to learn more about courtroom proceedings • Extracted information from criminal cases to expedite work for litigation department

LEADERSHIP AND VOLUNTEER EXPERIENCE

International Science Youth Forum Organizing Committee Member (2018)	• Hosted Nobel laureates and facilitated their Dialogue and Masterclass sessions
Willing Hearts Soup Kitchen Volunteer (2016)	• Awarded the National Youth Achievement Award, Silver for 6 months of dedicated service
Meet-the-People Sessions Volunteer (2018-2019)	• Volunteered as an administrative assistant during weekly sessions where members of the local community were able to seek assistance from elected leaders

ADDITIONAL INFORMATION

Skills:
- Experienced in Java, Haskell, C, Python, JavaScript, SQL, and Node.js
- Well-versed in research methodology, having participated in research projects relevant to Computing since 2014.
- Proficient in Microsoft Office Suite, Adobe Photoshop

Languages: Fluent in English and Mandarin Chinese (both spoken and written)