CHUNG MING POON

e: hello@cmpoon.com | w: portfolio.cmpoon.com

EDUCATION

2014 – Present	MEng in Electrical and Electronic Engineering (Achieved 1st in year 1-3), *Imperial College London*
2012 – 2014	A-Levels: Mathematics (A*), Further Mathematics (A), Physics (A*) and Chemistry (A*), *Egglescliffe School*
2010 – 2012	GCSEs in 13 subjects totalling 8 A*s and 5 As , *Egglescliffe School*

EMPLOYMENT EXPERIENCE

2017
April-September
System Planning Engineer, Asset Management, *A Distribution Network Operator*
· Developed a forecast model on network demand for the short-to-medium term to identify at-risk assets.
· Created next-generation visualisation tools as part of the smart network data pipeline upgrade project.
· Evaluated different network management techniques for the mitigation of issues from the increasing penetration of renewable distributed energy resources. Estimated savings of £50m+ to customers forecasted.

2016
June-September
DevOps and Build Release Engineer, *A Cybersecurity Firm*
· Designed and implemented a continuous integration pipeline for a large product. Enabled fail-fast test-driven development following agile methodology by reducing build time from hours to minutes. Improved coordination and visibility between teams of developers, QAs and sales which are 12 hours apart in timezones.
· Technologies used: Ansible, Docker, Jenkins, Gulp, Selenium, Spark, Hadoop, Cassandra, ElasticSearch

2015
June-September
R&D Technician, *A Marine Surveying Company*
· Collaborated in designing, prototyping and testing of the next generation of specialist ruggedised digital instruments used in submarine surveying.

KEY ACHIEVEMENTS

2016 – 2017	*President,* Imperial College Electrical Engineering Departmental Society. Recognised by the Institute of Leadership and Management in their Skills Development Programme
2015 – Present	City and Guilds College Union Committee Member: advocating for engineering students at Imperial College.
2015	Best Analogue Design Group Project Award: designed best autonomous vehicle out of about 30 in year.
2014	Maurice Hancock Scholarship: received from Imperial College London for academic excellence in A-Levels.
2013	UK Maths Challenge: Best in School, reached the Regional Final in the Team challenge.
2012	Represented school in a team in UK Aerospace Youth Rocketry Challenge, reached the Regional Final.

CORE SKILLS

· Experience in: PHP, C++, JavaScript, Python, Java, VBA, ARM assembly, MATLAB, SQL, Verilog
· Developing web applications using HTML, CSS (responsive designs), JavaScript (Angular, RESTful API interfacing), or PHP using MVC frameworks and data handling using ORM. Also devised and developed connected IoT and Android solutions in past projects.
· Experienced in using machine learning techniques for complex data analysis.
· Experienced in digital processing on FPGAs in Verilog HDL and programming for microcontrollers. Proficient in hardware prototyping.
· Proficient in circuits design tools: OrCAD PSPICE, EAGLE PCB Designer, and using Microsoft Office: Excel, Word and PowerPoint.
· Familiar with Linux, Apache and MySQL database back-end server administration and IP network management.
· Familiar with build orchestration tools such as Maven, Gradle, Ansible, Jenkins, as well as Docker.
· Fluent in both English and Chinese.

INTERESTS

· Grade 6 ABRSM in Piano
· Participate in several Imperial College Societies: Gliding, Surf, Wakeboard, Photography, Hackspace
Aspects of this document has been removed. Please get in touch for more information.