

## Fu Yong Quah

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### Skills

<b>Programming</b>	C++, C, Ruby, Node.js, Python, Octave, HTML5, CSS3, Javascript, SQL, Clojure
<b>Software Design</b>	Experienced in object-oriented design for large-scale collaborative projects
<b>Development tools</b>	Git, unit testing and integration testing
<b>Data Analysis</b>	Knowledgeable in machine learning, statistics, cryptography, data structure and algorithms
<b>Environment</b>	At ease in developing in Linux, Mac OS X and Unix-based operating systems

### Education

2014 - 2018	<b>Imperial College London, London, UK</b> MEng. Electronic and Information Engineering <i>Algorithms and Data Structures, Software Engineering, Computer Architecture, Mathematics, User-Centered Information Systems</i>
2013 - 2014	<b>INTI International College Penang, Penang, Malaysia</b> Cambridge GCE A-Levels: 4A* in Mathematics, Further Mathematics, Physics and Chemistry.

### Professional Experience

06/2015 - present	<b>Netcraft Ltd – Internet Service Developer Intern</b> <ul style="list-style-type: none"><li>• Provider of internet security services and internet data mining</li><li>• Worked on some graphical data representation components and collecting hosting companies' classification datasets</li></ul>
10/2013 – 06/2014	<b>INTI Sales Support Team (ISST), Malaysia – Financial Director</b> <ul style="list-style-type: none"><li>• Involved in student enrollment for A-Levels College</li><li>• Managed annual Human Resource funds for marketing events and initiatives.</li><li>• Led a committee that authored the company's first SOP and Communication Systems.</li></ul>

### Projects

05/2015 – 06/2015	<b>Real-time Autofocus for FPGA</b> <ul style="list-style-type: none"><li>• Developed an algorithm to carry out autofocus with FPGA via edge detection.</li><li>• Written in C++ using High Level Synthesis with Verilog HDL.</li></ul>
11/2014 – 02/2015	<b>EquityBits</b> [ link: <a href="https://www.equitybits.cc/">https://www.equitybits.cc/</a> ] <ul style="list-style-type: none"><li>• Engineered a protocol to verify document signatures on the Bitcoin Blockchain.</li><li>• Written in Node.js, Ruby and client-side Javascript.</li></ul>
09/2014 – 10/2014	<b>Malaysia Computing Challenge</b> <ul style="list-style-type: none"><li>• Co-organized fully online and automated computing challenge in Malaysia.</li><li>• Collaborated with a team of 5 working remotely.</li><li>• Attracted over 500 students nationwide in debut year.</li></ul>

### Awards

2015	Won <b>Runner's Up</b> in the <b>Battlehack London</b> Won <b>Grand Prize</b> in the <b>Imperial Bitcoin Forum</b> Won <b>Grand Prize</b> in the <b>IC Hack</b> , MLH Spring 2015
2014	<b>King's Scout</b> title (Eagle Scout equivalent) Won <b>6<sup>th</sup> place</b> in the <b>UK-Ireland Programming Contest (UKIEPC)</b> Represented Malaysia in the <b>International Olympiad in Informatics (IOI)</b>
2013	Malaysia <b>Ministry of Education Bursary Award</b> for academic excellence Represented Malaysia in the <b>Global Startup Youth 2014</b> (Hackathon Competition)

### Languages

English, Chinese (Mandarin), Hokkien (dialect), Malay

### Interests

Chess – Represents Imperial College in the London Chess League