

# Andrew Li

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## Education

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### Imperial College London 2014~2018

MEng Electronic and Information Engineering (Projected 2:1)

#### Related Courses

Pattern Recognition, Human-centred Robotics, High-performance Computing, Advanced Robotics, Machine Learning, Computer Vision, Embedded Systems, Networks and Distributed Systems, Operating Systems, Control Engineering, Computer Architecture

#### Activities & Positions

IC Robotics Society, Member • IC EuroBot, Team Member • #helloicu Crew, Volunteer, Imperial Immortals AFC, Linebacker

## Work Experience

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### CloudMinds: Software Engineering Intern (Virtualization)

JULY 2017 – OCTOBER 2017, BEIJING

- Worked with the virtualisation team focused on developing the company's Android-based cloud intelligent mobile terminal.
- Developed a new debugging toolset and interface to enable system-level debugging directly from the device.
- Lead the development of the over-the-air (OTA) software update feature for the dualOS product, coordinating a team of engineers across departments (including cloud, platform, UI, and testing) to ensure the feature was ready for release.
- Contributed to other features which required updating for product release including the operating system switch interface.

## Projects

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### Luko.hi PRESENT

- A personal project to develop an interactive robotic lamp to explore the field of non-verbal human-robot interaction

### Inclusive Design with Microsoft SUMMER TERM 2017

- Coordinated a group in collaboration with Microsoft to develop a novel framework for voice-based mobile application interfaces designed for disability users (specifically with blind and paraplegic users in mind).

### Eurobot 2017 SPRING TERM 2017

- Contributed to the development of IC Robotic Society's entry to Eurobot 2017, designing a robot that autonomously performs a series of tasks in an arena against other teams. Robot utilised vision based localisation systems to perform path planning, object detection and obstacle avoidance.

## Awards & Honours

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- Imperial Plus Volunteer Certificate 2015
- President's Undergraduate Scholarship 2014
- Clarkson Engineering Award 2013
- Duke of Edinburgh's International Award 2013

## Skills

### Languages & Technologies

C/C++, Java, MATLAB, Python, Swift, DBs (MySQL, PostgreSQL), Web frameworks (HTML, CSS), NodeJS

### Frameworks

ScikitLearn, TensorFlow

### Hardware

Altera Quartus (schematic design), CircuitMaker, HLS (CatapultC, Verilog)

### Design

Adobe Suite (Photoshop, Illustrator, In-Design), AutoCAD