Andrew Li

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Education

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

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

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.

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