Shenhui LI
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A highly numerate and computer literate engineer interested in embedded system design, digital signal processing and software engineering.

EDUCATION

Imperial College London   **2017-now**

MEng Electrical and Electronic Engineering (due to graduate in 2021)

Bellerbys College   **2015-2017**

A Levels: Physics (A*), Mathematics (A*), Further Mathematics (A*), Chemistry (A)

SKILLS

Programming: Java, C++, F#, Python, Arduino, Mbed, ARM Assembly

CAD / CAE: MATLAB, LabView, Altera Quartus FPGA environment

Languages: English (C2), Mandarin & Cantonese (native speaker)

PROJECTS

BladeBug Localisation System (C, MATLAB)
A localisation system for the wind turbine inspection robot BladeBug.

Pa!ntLabs (Python, Android Studio, HTML)
An IOT device which makes accurate measurement of an object's colour and displays relevant information from data base.

Arithmetic Functions Acceleration (FPGA, Altera Quartus)
Customised hardware blocks for floating point arithmetic and CORDIC.

F Major (F#)
A high-level programming language, with compiler and IDE, that mimics the syntax of F#.

BagTrack (Arduino, Android Studio)
A smart bag system to keep track of bag contents, alert user on changes in content.

2048 & Mastermind (C++)
A mastermind game solver and a 2048 emulator.

Real-Time Earthquake Map (Java)
An interactive map, and info database, of worldwide earthquakes.

EXPERIENCE

English Teacher, ACE English (full time)   **Jul - Sep 2019**

Volunteer, British Red Cross (part-time)   **Jan - Jul 2017**

Student Union Secretary, Bellerbys College   **Sep 2016 - Jun 2017**

HOBBIES and INTERESTS

Sports: tennis, badminton, basketball, weightlifting,
Hobbies: photography, cooking