

# YI Weiying

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## Education

### Ph.D programme in Computer Science and Engineering

2014-Present      **The Chinese University of Hong Kong**      Hong Kong, China

- Ph.D Programme in Computer Engineering (CEng)

### 2+2 joint programme, B.S. in Electronic Information Science and Technology

2012-2014      **The Chinese University of Hong Kong**      Hong Kong, China

- Bachelor Degree in Computer Engineering (CEng)
- Cumulative GPA: 3.508/4.0      Core GPA: 3.65/4.0

2010-2012      **Sun Yat-Sen University**      China

- Bachelor Degree in Electronic Information Science and Technology
- Cumulative GPA: 81.85/100 or 3.6/4

## Publication

- [Yi, W. Y., Lo, K. M., Mak, T., Leung, K. S., Leung, Y., and Meng, M. L. \(2015\). A Survey of Wireless Sensor Network Based Air Pollution Monitoring Systems. \*Sensors\*, 15\(12\), 31392-31427.](#)

## Research Experience

2014 July      **The Chinese University of Hong Kong**

- 2014 Intel Cup ESDC: Highly Autonomous Photography Robot

2013-2014      **The Chinese University of Hong Kong**

- Final Year Project: Building a Quad-copter swarm

2012-2013      **The Chinese University of Hong Kong**

- Summer Research Internship Project: Wind-Adaptive Self-Balanced control for Quad-copter using embedded method

## Relevant Coursework

2014-Present      **The Chinese University of Hong Kong**

- Fuzzy Expert System: Project Topic Recommendation System
- Constraint-Based Dynamic Energy Management in Energy Harvesting Embedded Systems using Gencode
- A Hybrid MapReduce Framework for SNP Selection

2012-2014      **The Chinese University of Hong Kong**

- Simplified Version of Shell
- File Recovery in FAT32
- Multi-Client File Transfer Application
- Multi-threaded Web Proxy
- Routing Simulation
- Online Album with Image Processing Ability (4-people group work)
- PID Controller using EMBED Board
- Simple Web-Sales System (2-people group work)
- Winspice Simulation of a 32-bit Full-adder
- A Simple Online Album using Perl
- Enriching Photo Album System using JavaScript
- A Web Game Called WebCivilization
- Final Year Project: Intelligent Quad-copter Swarm

2010-2012

**Sun Yat-Sen University**

- Huffman data compression tool

**Awards**

2015/1/9	Shaw College Head's List
2015/1/9	Department/Programme Scholarship
2014/7/22	Second Price in 2014 Intel Cup ESDC
2014/3/22	Dean's List (2012-13) of the Faculty of Engineering
2013/12/3	Shaw College Head's List
2013/12/3	Department/Programme Scholarship

**Activity**

2014/7	2014 Intel Cup ESDC
2014/4	Shenzhen Maker Faire, Intel Group

**English Ability**

CET4: 490 (2011)

**Computer Skills**

Computer Languages: C/C++, Perl, VHDL, Java, JavaScript, PHP, CSS, Assembly

**Language Skills**

Fluent written and spoken English, Putonghua and Cantonese