**HAO FANG**

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**Career Profile**

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* A recent postgraduate of the Information Technology Program at University of New South Wales with the Internetworking in major
* Completed the internship with GE(China) Research and Development Centre
* Strong programming skills in Java, Python, C, C++, Prolog and SQL languages

**Education**

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*Master of Information Technology*

*University of New South Wales*

*Mar 2015 – Nov 2016*

*Kensington, Sydney*

* Computer Science and Engineering Coursework
* Specialisation in Internetworking
* High Distinctions in Principles of Programming and Advanced Topics in Software Verification

*Bachelor of Information Engineering*

*East China University of Science and Technology*

*Sep 2010 – July 2014*

*Shanghai*

* Major in Telecommunication
* Certificated in FPGA Embedded Application Programming
* Awarded the Third Prize in National Undergraduate Electronics Design Contest (Shanghai Division)

**Relevant Experience**

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*Intern(Electronic Engineer)*

*GE(China) Research and Development Centre Co., Ltd*

*Dec 2015 – Feb 2016*

*Shanghai*

* Conferenced with electronic and telecommunication Engineers to discuss the structure and technical details for a special telecommunication system
* Designed the firmware on the platform TI OMAP-137 in C language
* Built the communication between the ADC/DAC and the Digital Signal Processor (DSP core) via EMIF interface
* Embedded Linux System in the ARM core on OMAP-137 to control the DSP core
* Tested the system in the laboratory to improve the performance

**Additional Experience**

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*Clerk*

*Tokyo Supermarket*

*Jan 2016 – July 2016*

*Kingsford, Sydney*

* Promoted the storeroom management and the shelf display
* Arranged the orders and the delivery of cargo
* Demonstrated strong interpersonal skills by quickly adapting to and being involved in the new work environment

**Assignments and projects**

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* In the web application course, our group made a Digital Bibliography Library website by JSP, which is formatted in MVC structure, connected with Mysql database, associated with Search, Buy, Sell book functions and administrator back-stage management interface.

**Technical Skills**

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*Programming Language:*

* Proficient in Java, Python, C, C++, Prolog, SQL, Assembly, VerilogHDL Language
* Deep understanding time and space complexity related to data structure. *Internetworking skills:*
* TCP/IP, WireShark, mail server, FTP server, SSL, mobile device networking and systems capacity planning
* Socket programming in Java language
* PostgreSQL
* Algorithms and data structures for data-intensive computing
* Processing SQL queries and managing concurrent transactions *Courses learned in the field of AI:*
* Artificial Intelligence
* Knowledge Representation and Reasoning
* Machine Learning and Data Mining
* Java, XML, JS, MVC structure *Android developing skills:*
* WIFI, Sensors, Power Management, Data Storage *Advanced topics in software verification:*
* First logic, HOL, Lambda Calculus, proofs in Isabelle

*Others:*

* Skilled in microprocessor development, ARM development, FPGA development
* Experience with Linux and Windows environments, VMware/ Virtualbox and MS Office

**Interests**

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* Keeping abreast of computer game developments through technology blogs
* Watching funny videos on Youtube
* Installing new Release version of Linux on my PC or Raspberry Pi
* Subscribing Technology Magazines about newest developments in AI, VR and Data Analysis

**Referee**

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Jianlin Li

Senior Electronic Engineer

GE(China) Research and Development Centre Co., Ltd

Contact Details Available On Request