

HAO FANG

47 Birchgrove Crescent
Eastwood NSW 2122
(Mobile) 0449899548
haofang03@gmail.com

Career Profile

- 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

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

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

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

- 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

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

Database skills:

- 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

Web developing skills:

- 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

- 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

Jianlin Li
Senior Electronic Engineer
GE(China) Research and Development Centre Co., Ltd

Contact Details Available On Request