

Philip (Weiyuan) Bao

<https://github.com/bwwyyy>

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QUALIFICATIONS

- Programming experience in C, C++, Java, Python, Matlab, SQL, Verilog, and Assembly
- Experienced in Android and web application development using XML, JavaScript, HTML and CSS
- Solid understanding in hardware, digital systems design
- Good implementation in algorithms and data structures
- Comfortable using Linux and Windows operating systems
- Passionate in Web, Android application development, software and hardware testing, and quality assurance
- Solid problem solving, time management and organizational skills
- Self-motivated with excellent teamwork and strong ability to work independently

EXPERIENCES AND PROJECTS

BlackBerry Inc. Software Development co-op

April – August, 2015

- Working on a search application with a team of ten people which used by millions of users worldwide
- Responsible for improving application performance, adding new features and bug fixing
- Implemented algorithms like multi-thread and optimized some categories' performance by 30%
- Participated in Agile software development and Git version control system

Personal Webpage (<http://bwwyyy.github.io/philip-bao/>)

December, 2014

- Developed web application using HTML5, CSS and JavaScript
- Improved front-end features using jQuery and Bootstrap
- Used Git-hub for version control and hosting

Personal Blog (<http://philwbao.appspot.com/>)

September, 2014

- Developed web application using Google App Engine's Webapp2 framework
- Coded in Python in the backend and HTML5, CSS and Bootstrap in the frontend
- Experienced in implementing Database, Google App Engine and APIs
- Improved troubleshooting and debugging skills through the development process

Py-Game Competition (<https://github.com/bwwyyy/Tower-of-the-Sorcerer-V2.0>)

April, 2014

- Created an RPG-like game using Python and Py-game library
- Gained hands-on experience in software development life cycle through the development process

EDUCATION

Bachelor of Engineering, Electrical and Computer Engineering (co-op)

McMaster University, Hamilton, ON

September 2013 - Present, Level 3, Expected Completion - April 2017, **CGPA 90%**(11.6/12)

- Relevant Courses: Algorithm and Data Structures, Digital System Design, Signal and Systems, Android Development, Machine Learning

AWARDS AND ACHIEVEMENTS

2014/2015 McMaster University The Dr. Harry Lyman Hooker Scholarships, Award recipients of this scholarship would be in the top 10-15% of their Faculty; **McMaster University 2013/2014/2015 Dean's Honor List**, Awarded for outstanding academic achievement with a minimum GPA of 9.5 out of 12 (80%).

EXTRACURRICULAR ACTIVITIES AND HOBBIES

- Table tennis, Badminton, Swimming, Jogging, Computer gaming, Programming
- Student membership of, Professional Engineering Ontario and McMaster Engineering Society