

HAO JIN

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EDUCATION

University of Waterloo

Candidate for Bachelor of Mathematics

Sept. 2014 - Current

EMPLOYMENT

BlackBerry Limited

Android Software Development Student, Waterloo, ON

May 2018 - Aug. 2018

- Debugged UI/UX, social integration, and data manipulation issues for BlackBerry Hub.
- Implemented solutions with emphasis and consideration toward OOP concepts, Android activity lifecycle, and code base architecture, while exercising Agile methodologies.
- Manually tested bug fixes and modified existing and introduced new test cases for solutions with Robolectric and Mockito.
- Advanced understanding of developing lean and efficient code through analyzing, receiving, and providing code reviews through Gerrit.
- Proactively reported problems and improvements through testing BlackBerry's PIM apps' beta releases.

SunPillar Inc.

Lead Android Application Developer, Brampton, ON

May 2017 - Sept. 2017

- Developed an Android application that receives and displays environmental data from local Arduino appliance with Bluetooth.
- Designed the GUI using Adobe Photoshop CC.
- Implemented Google Maps API to assist consumer debugging and troubleshooting through geo-tagging images.
- Employed Google Speech Recognition API to provide user's with an additional method of navigation within the application and to improve its manageability.

Lead Embedded Software Developer, Brampton, ON

Jan. 2017 - April 2017

- Built a complete prototype system of an environmental data collection and processing appliance using Arduino micro controller boards, various sensors, and data storage and communication modules.
- Programmed Arduino prototype's sensor fusion processes with C/C++ scripts using Arduino IDE.
- Integrated Bluetooth communication protocols to wirelessly transfer data from appliance to remote Android application.
- Modified C/C++ libraries to ensure successful cross-platform compatibility on different micro controller boards.
- Troubleshooted Serial and Bluetooth data transfer and local data storage problems through research, and rigorous testing of associated C/C++ scripts.
- Developed a thorough understanding of various schematics to perform appropriate hardware modifications on micro controller modules.
- Assisted in the production of interposer boards through drafting schematic diagrams using Fritzing.

The Co-operators General Insurance Company

Operational Accounting Summer Student, Guelph, ON

July 2015 - Aug. 2015

- Updated and balanced reconciliations using data extracted from Oracle Business Intelligence database and external reports.
- Troubleshooted situations through proactive thinking and teamwork.

Regulatory Reporting Summer Student, Guelph, ON

May 2015 - June 2015

- Tested various insurance companies' Property & Casualty Report pages using queries in Budget Planning Control and MS Office Excel.
- Enforced Property & Casualty Report pages' tests with financial formulas and calculations.
- Documented procedures and conclusions on tests conducted for pooling.
- Created reconciliation supporting Excel files from Claim Center database for monthly reporting to OSFI.
- Communicated in a teamwork orientated environment to assist in creating Property & Casualty Reports.

SKILLS

PROGRAMMING LANGUAGES: Java, C/C++, Python, HTML & CSS

FRAMEWORKS & TOOLS: Android Studio, Arduino IDE, Racket Scheme, JIRA, Github, Gerrit, Git, Bootstrap, PyCharm