Hao Jin

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EDUCATION

UNIVERSITY OF WATERLOO
Candidate for Bachelor of Mathematics
Enrolled. Sept 2014-Present | Waterloo,ON

SKILLS

LANGUAGES & FRAMEWORKS
Experienced:
Java • Android Studio • Microsoft's Visual C# • Racket Scheme • MIPS
Familiar:
C • C++ • Python • HTML&CSS •Bootstrap

PROFICIENCY OF MICROSOFT OFFICE
Excel · Powerpoint · Word

PUBLIC SPEAKING
Motivating · Mediating · Positive

TEAM PLAYER
Approachable · Dedicated · Detail-Orientated

LANGUAGE
• Fluent in English
• Fluent in Chinese Mandarin

AWARDS

PREMIER'S AWARD FOR AGRI-FOOD INNOVATION EXCELLENCE REGIONAL AND MINISTER'S AWARD
Dec 2017 | Brampton, ON

U OF WATERLOO'S STUDENT LEADERSHIP CERTIFICATE
February 2015 | Waterloo,ON

U OF WATERLOO'S ENTRANCE SCHOLARSHIP
June 2014 | Mississauga,ON

LINKS

github.com/JinH
linkedin.com/in/jinhao/

EXPERIENCE

SUNPILLAR INC.
Lead Embedded Software Developer
January 2017 - April 2017 | Brampton, ON

- 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 Android remote Android application.
- Modified C/C++ libraries to assure 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.

Lead Android Application Developer
May 2017 - August 2017 | Brampton, ON

- Developed an Android application that receives and displays environmental data from local Arduino appliance with Bluetooth.
- Partially 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.

THE CO-OPERATORS GENERAL INSURANCE COMPANY
Regulatory Reporting | Summer Student
May 2015 - June 2015 | Guelph, ON

- Tested various insurance companies' Property & Casualty Report pages using queries in Budget Planning Control and Microsoft Office Excel.
- Enforced Property & Casualty Report pages' tests with calculations derived from formulas.
- 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.

Operational Accounting | Summer Student
July 2015 - August 2015 | Guelph, ON

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