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 • Arduino IDE • Racket Scheme
Familiar:
C • C++ • Bootstrap • Python • Microsoft's Visual C# • HTML&CSS • MIPS

PROFICIENCY OF MICROSOFT OFFICE

Excel · Powerpoint · Word

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

- For innovative contributions toward agri-food and rural communities in Ontario.

U OF WATERLOO'S STUDENT LEADERSHIP CERTIFICATE

February 2015 | Waterloo,ON

- For completing several workshops that develop one's practice on the aspects of leadership.

U OF WATERLOO'S MERIT SCHOLARSHIP

June 2014 | Mississauga,ON

LINKS

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

EXPERIENCE

SUNPILLAR INC.

Lead Android Application Developer

May 2017 - September 2017 | Brampton, ON

- 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

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 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

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.

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 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.