

Wang Danliang

Computer Science with Business Option | Expected graduation:2019/08 | 4 months availability

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SUMMARY OF QUALIFICATIONS

- Programming Languages: C++/Java/C/SQL/Unix Shell scripts/Scheme/MIPS Assembly
- Native Android Development
- Working knowledge of Git, Agile methodology, RESTful, JSON, XML
- Frontend Frameworks: AngularJS, Bootstrap
- IDEs: Android Studio, Visual Studio

EDUCATION

Candidate for Bachelor of Computer Science, Honours, Business Option,
University of Waterloo, Waterloo, Ontario, 2015/09 - present

- Excellent Standing, GPA: 4.0

WORK EXPERIENCE

Software Development Student, BlackBerry, Mississauga, ON, May 2017 – August 2017

- Developed cloud backup and restore feature for BlackBerry Password Keeper
- Developed background events tracking feature for BlackBerry DTEK
- Integrated Amap API into BlackBerry DTEK to track event locations in China
- Developed save, quick settings, edit, RTL features for BlackBerry Notable
- Fixed multiple tricky bugs for existing features in BlackBerry Android Apps
- Cooperated with Product, UX, and Testing teams to ensure high quality products

Software Integration and Development, Ericsson(ZCOM), Mississauga, ON, Sep 2016 – Dec 2016

- Created a Web App to parse certain REST requests with AngularJS and Bootstrap
- Customized a JavaScript rule engine to generate relationships among XML files
- Implemented a direct graph data structure with JavaScript used in a dependency graph Web App

INVOLVEMENTS

Path-Planning Core Member, WATonomous, Waterloo, ON, Sep 2017 – Present

- Work as a developer in a large student project to develop a self-driving vehicle for the SAE AutoDrive Challenge
- Implement various path-planning techniques in C++ using the ROS framework

PROJECTS

BlackBerry Password Keeper (cloud feature), BlackBerry, May 2017 – July 2017

- Utilized Google Drive API for Android and Google Sign-In API for authorizing users and handling files
- Created an automatic backup feature that can detect local record changes
- Wrote efficient, maintainable and reusable code that preserves privacy and security
- Used Android Studio debugging tools to achieve high robustness and zero resource leak
- Enabled Managed Configurations for enterprise IT administrators to control the feature

RateMyLife, Finhacks held by Cisco and TD, Nov 18 – 20, 2016

- Used a food recognition API to identify food and assess diet healthiness based on the response
- Utilized AngularJS and Bootstrap to create a dashboard webpage to reflect user activities
- Became one of Top 10 projects of the hackathon