Nancy Wang

3A Computer Science/Business Administration Double Degree

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Skills

Programming	C++, Java, Python, C, Kotlin, Lua, SQL, Bash, JavaScript, HTML5, CSS3
Tools and Frameworks	Android, Unix, Git, React, Bootstrap, Unity, Linux, LaTeX, Vim, Jenkins, SVN

Experience

OpenText *Waterloo, Ontario*
Mobile Software Developer *Jan 2019 - Apr 2019*

- Built an Android feature in Java to demo the ability to perform offline data syncing using Wi-Fi P2P frameworks
- Implemented dynamic permission levels in Kotlin for improving ease of use of interface for over 10,000 users
- Increased upload speed of documents to cloud by 10% by using multithreading and code refactoring
- Migrated error reporting from Fabric to Firebase for conducting extensive data analysis on app performance
- Automated testing workflow with batch scripts, reducing weekly workload by several hours
- Participated in daily Scrum standups and bi-weekly sprint meetings within an Agile workflow

SKYWAVE *Kanata, Ontario*
Software Engineer *May 2018 - Aug 2018*

- Improved the web service API to handle additional JSON requests, servicing over 100 employees
- Expanded test modules in Lua and integrated regression tests to Jenkins for validating product behaviours
- Optimized data metrics API through refactoring 1000+ lines of code and removing existing layer violations
- Developed an automated script in C# which reduced time required for database generation by 5x

Projects

PLACEHOLDER
Hack the North 2019 *Sep 2019 - Present*

- Designed a web application using React and Bootstrap to display real-time seat availability
- Programmed Raspberry Pi 3 in Python to distinguish between various levels of pressure and utilized Node.js to handle server requests

PICBEE
UofT Hacks VI *Jan 2019 - Mar 2019*

- Developed and implemented an educational app used for teaching vocabulary with Dart and Flutter
- Leveraged Google Firebase for user authentication and database management
- Integrated IBM Watson's Visual Recognition API for generating random sequences of vocabulary words

RECEIPTS TO RECIPES
Recipe Suggester for Meal Planning *Jul 2018 - Oct 2018*

- Built a Python program used for providing recipe suggestions from a receipt image
- Utilized Open CV and Tesseract to find contours of image of receipts and to convert the image to text

SAFE TEXT
UofT Hacks V *Jan 2018 - Feb 2018*

- Tracker app that automatically alerts contacts in the event of an emergency
- Implemented SMS messenger, and GPS location tracker using Java in Android Studio

Education and Interests

UNIVERSITY OF WATERLOO & WILFRED LAURIER UNIVERSITY *Waterloo, Canada*
Bachelor of Computer Science & Bachelor of Business Administration *2017-2022*

INTERESTS   Cooking, Table Tennis, Digital Art, Game Development