

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, CSS
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 a prototype 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 for over 10,000 app users
- Increased the upload speed of documents to cloud by **10%** by using multi-threading and optimizing existing code base in **Android**
- Migrated error reporting from Fabric to Firebase for conducting extensive data analysis on app performance
- Participated in daily Scrum stand ups and bi-weekly sprint meetings for an **Agile** workflow

SKYWAVE

Kanata, Ontario

SOFTWARE ENGINEER

May 2018 - Aug 2018

- Improved 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 re-factoring 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

- Web application that updates the user with real time open seat availability
- Designed front-end in **Javascript** using **React** and **Bootstrap** for creating a clean minimalist layout
- Programmed **Raspberry Pi 3** in **Python** for sensing pressure and utilized **Node.js** for handling server requests

PICBEE

UoT 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

- Program provides suggestions for recipes to make from a receipt image
- Utilized **Open CV** to find contours of image of receipts and **Tesseract** to convert the image to text
- Implemented using **Python** with ongoing feature development

SAFE TEXT

UoT 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