

# Nancy Wang

2B COMPUTER SCIENCE/BUSINESS ADMINISTRATION DOUBLE DEGREE

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## Skills

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<b>Programming</b>	C++, C, Java, Kotlin, C#, Lua, Python, SQL, Scheme, Bash
<b>Web Development</b>	JavaScript, HTML, CSS, Bootstrap, React
<b>Tools and Frameworks</b>	Android Studio, Unity, Eclipse, Adobe CC, LaTeX, Vim, Jenkins, SVN, Git

## Experience

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### OPENTEXT

Waterloo, Ontario

#### MOBILE SOFTWARE DEVELOPER

Jan 2019 - Apr 2019

- Spearheaded integration of Permissions API for dynamic permission changes in **Kotlin**
- Prototyped and demoed the ability to perform offline data syncing using Wi-Fi P2P frameworks using **Java**
- Improved the upload speed of documents to cloud by **60%** 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

### 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

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### SYNTHESIA

#### MUSIC VISUALIZER

Apr 2019 - Present

- Online music visualizer compatible with all audio file types and includes options to change graphics
- Implemented using **CSS** and **Bootstrap** for front-end and **Javascript** for back-end

### 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

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### 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