

Nancy Wang

2B COMPUTER SCIENCE/BUSINESS ADMINISTRATION DOUBLE DEGREE

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Skills

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

Experience

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

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

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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

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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