

# Karen Hong

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## Experience

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### Awake Labs

Toronto, Ontario

SOFTWARE DEVELOPER

May 2017 - Aug. 2017

*The company behind Reveal; an AI powered application designed to support care for mental health disorders*

Skills: Android Development, Flask, Python

- Engaged in discussions concerning the design of the Reveal platform; covering topics such as the database schema, security concerns, and the API structure
- Prototyped an Android application that interacts with the Google Speech API and implemented supporting API calls

### Fatigue Science

Vancouver, British Columbia

JUNIOR SOFTWARE DEVELOPER

Sept. 2016 - Apr. 2017

*A wearables company focused on using predictive fatigue to optimize performance and minimize risk*

Skills: TypeScript, JavaScript, C++, Qt, AngularJS, Ionic, Bitbucket, testing

- Constructed and deployed a cross-platform Qt application designed using object oriented principals
- Implemented features, re-factored code, and debugged a mobile application that uses BLE
- Assisted in testing and validating an evolving web application and mobile platform

### Aura Rhythmics

Richmond, British Columbia

RHYTHMIC GYMNASTICS COACH

Sept. 2012 - Apr. 2015

- Developed and instructed lessons for a recreational gymnastics program
- Evaluated the situation and adapted the lesson to better suit students' needs

## Education

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### University of British Columbia

Vancouver, British Columbia

BSC IN COMPUTER SCIENCE

Year 3, Expected May 2020

Relevant Courses: Definition of Programming Languages, Computer Hardware and Operating Systems, Introduction to Relational Databases, Introduction to Software Engineering

### ETH Zürich

Zürich, Switzerland

MOBILITY STUDIES IN COMPUTER SCIENCE

Feb. 2018 - Aug. 2018

Relevant Courses: Introduction to Machine Learning, 3D Vision, Ubiquitous Computing, Case Studies from Practice

## Projects

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### The Adventures of Jack O'Lantern

UBC

PLATFORM GAME IN ELM

Nov. 2017

- Leveraged Elm to create a side-scrolling platform game including moving enemy units, collectibles, high scores, and a start menu
- Coordinated development with 3 other individuals through issue tracking and version control

### UBC Course and Room Catalogue

UBC

TYPESCRIPT API FOR PARSING, STORING, AND QUERYING INFORMATION

Nov. 2017

- Implemented a RESTful API that is capable of handling queries about UBC courses and buildings
- Employed object-oriented principals to write easily extensible code and composed a suite of tests to provide over 95% line coverage

### Pokédex Database

UBC

WEB APPLICATION THAT INTERFACES WITH A RELATIONAL DATABASE

June 2016

- Designed, populated, and embedded a database inside a web application
- Structured queries for the retrieval or addition of information

## About Me

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- I enjoy visiting new places, photography, hiking, and spending time outdoors
- I earned a place on the Canadian national team for rhythmic gymnastics in 2012