

DAN D. KIM

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EMPLOYMENT

Feb. 2019 to Current

Ubisoft · Online Programmer · Montreal, QC

June 2018 to Feb.
2019

Coveo · Software Developer, Back-End · Montreal, QC

- Diagnosed and slashed the run-time on a back-end security service from 1400 ms to 0.3 ms through implementing efficient data structures
- Slashed the memory usage of a back-end service down from 2GB to a constant 250MB by implementing pagination and generators with LINQ.

Sept. 2017 to Dec.
2017

Videri Inc · Mobile Software Developer, Intern · Montreal, QC

- Headed the R&D of 3 Android apps for demonstrations, one of which was shipped out to CES 2018
- Slashed the delivery date of an application from 4 weeks to 2 weeks by introducing scalable code with Retrofit, RxJava2, and GSON adapters
- Reduced bugs and boiler-plate code by around 20% by migrating to Kotlin from Java
- Oversaw smart-home integrations by linking Alexa skills to Android apps using AWS platform (EC2, Lambda)

Sept. 2016 to Dec.
2016

Nuance Communications · Software Engineer, Intern · Montreal, QC

- Administered the stability on the core C++ data pipeline by writing 900+ Unit and Integration Tests using Mockito and Google Test Suite for Android/Linux platforms in Java and C++

Jan. 2016 to Apr. 2016

Genetec · Software Developer, Intern · Montreal, QC

- Refined the team's C# .NET software package by fixing 25% of all bugs
- Deployed features in scalable code on the MVVM architecture using C#, WPF, LINQ, and Elasticsearch

EDUCATION

Sept. 2012 to June
2018
2018

University of Waterloo

B.S.E. Computer Engineering

AWARDS

Sept. 2018

McGill Artificial Intelligence Society · Implement AI 2018 2nd Place

- With 3 other software developers, came up with an Android app that could diagnose plant diseases with a single photo.

Jan. 2018

Krate · UofTHacks2018 Centralize the Decentralizers by Krate

- With 1 other software developer and 1 designer, came up with a relevant smart home assistant that offers a new experience of going through recipes.

Dec. 2017

Informa · YHacks2017 Informa Challenge 1st Place

- With 1 other software developer, 1 physicist, and 1 business entrepreneur, created a Facebook chatbot that would predict which fields on Indiegogo are predicted to have growth in \$\$\$.

Jan. 2017

Founders Institute · Hackatown2017 Founders Institute Award

- With 2 other software developers and 1 designer, created an Android app that allowed people to find others to walk home together with.

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PROJECTS

Sept. 2018 to Sept. 2018	Green Detect [Implement AI 2018 2nd Place] <ul style="list-style-type: none">• Android application that identifies potential diseases from a single picture of a leaf.
Jan. 2018 to Jan. 2018	Let's Eat [UofTHacks2018 Krates Winner] <ul style="list-style-type: none">• Google Home and an Android app working as a system, showing recipes based on food that is soon to expire.• RxAndroid, RxKotlin, Retrofit, NodeJS
Dec. 2017 to Dec. 2017	Trendy [YHacks2017 Informa Challenge 1st Place] <ul style="list-style-type: none">• Facebook chat bot that predicts which categories on Indiegogo will have growth in funds.• NodeJS, FacebookSDK, Heroku, Python
Jan. 2017 to Jan. 2017	Walking Buddy [Hackatown2017 Founders Institute Winner, Top 5] <ul style="list-style-type: none">• Android application that helps users who fear walking home alone.• Java, Firebase, Google Maps API
Apr. 2017 to Apr. 2017	Savescription [WearhacksKW2017 Top 5] <ul style="list-style-type: none">• Web app that allows doctors to send automated prescription reminders to patients.• jQuery, Bootstrap, Firebase, Twilio API, HTML, CSS
July 2018 to Sept. 2018	Dancountant [Personal Project] <ul style="list-style-type: none">• Android app that simplified tracking my expenses by automatically parses SMS purchase alerts from banks for price, date, and vendor.• Using patterns to categorize purchases automatically.• Uploading the data to an online spreadsheet designated in the settings.
Apr. 2017 to Mar. 2018	DeafBand [Engineering Capstone Project] <ul style="list-style-type: none">• Implemented a real-time audio classification application by training a convolutional neural network model using Google's AudioSet• Designed to help users recognize dangerous life-threatening situations through a wearable device• Developed using Tensorflow, Python, Flask, Google Compute Engine, AudioSet

VOLUNTEERING

Sept. 2017 to Current	Montreal Korean Language and Culture Centre · Web Developer · Montreal, QC <ul style="list-style-type: none">• Solely operating the Search Engine Optimization of the community center's website• Executing delivery of sponsor's requests
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SKILLS

PROGRAMMING LANGUAGES	Java, C#, Python, C++, Javascript, Kotlin
ANDROID	RxJava, RxAndroid, Retrofit, GSON Adapters, MVP Architecture, MVVM Architecture
DATA SCIENCE	Tensorflow, Keras, Neural Networks, CNN, LSTM, GRU, Python, Pandas
WEB DEVELOPMENT	NodeJS, Python Flask, AWS, Google Cloud, Redis, MySQL, Firebase, React Native, ReactJS, GatsbyJS