

DANIEL PENG

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EXPERIENCE

PROJECT DEVELOPER

JAN 2019 - Present

UW Blueprint

- Collaborated in a team to build **Android** app for OSS DanceFest, allowing judges to score dancers and write notes offline
- Created user-friendly front-end for Android app with **Kotlin** and **XML**
- Retrieved display data from **Firebase** with real-time updates

MOBILE APPLICATIONS DEVELOPER

MAY 2018 - AUG 2018

TD Bank Group

- Worked in cross-platform team to develop workspace IoT app in **Java**, reducing time needed for employees to do booking tasks by over 90%
- Integrated **Firebase** Realtime Database using **MVVM** architecture, allowing service layer to be swappable with alternative service providers
- Utilized latest **Android** architecture components like Data Binding, LiveData, and ViewModels to manage UI component data and lifecycles
- Contributed to UI design, discussion, and prototyping with **Adobe XD**

PROJECTS

I'M NAPPING

AUG 2018

- Created **Android** SMS app that automatically responds to incoming SMS messages, with support for custom messages by number
- Built in **Android Studio** with **Kotlin** with **MVP** app architecture and dependency injection principles for clean, maintainable code
- Converted Kotlin models to JSON with **Moshi** for serialization of user data
- Created custom vector assets with **Adobe Illustrator** to support app design

BLACK WEATHER

DEC 2017

- Built weather app in **Android Studio** in **Java** using **MVC** architecture
- Utilized **OkHTTP** to make asynchronous GET request from Dark Sky API and parsed JSON response to get accurate, up-to-date forecasts
- Applied Google Play Services API to get current user location from GPS

BMO MYAPP

DEC 2016

- Redesigned BMO's **Android** app to display features for a business proposal
- Implemented NFC data transfer capabilities using NFC API
- Employed Android Fragments and RecyclerView to design modern list UI

SKILLS

Languages:

Java, Kotlin, C++, C, HTML
CSS, Racket, Bash

Technologies:

Android Studio, Firebase, Git, Linux,
Adobe XD, Adobe Illustrator

EDUCATION

UNIVERSITY OF WATERLOO

Candidate for Bachelor of Computer Science

2017 - Present

3.76 cGPA

AWARDS

President's Scholarship of Distinction

2017

\$4,000 value

Faculty of Mathematics Scholarship

2017

\$5,000 value

INTERESTS

Android

ROM flashing, custom
theme creation, and phone news

YouTube

Content creator with 800+
subscribers & 5 million video views

Running

Casual long distance runner, over
350km run over past year