DANIEL PENG

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EXPERIENCE

Software Engineer   MAY 2019 - AUG 2019
Connected

- Created new conversation flows for a top North American music provider's Alexa skill using **Node.js** and **AWS Lambda**
- Collaborated with product/design teams to improve skill interaction model, helping to improve channel-matching success rate by **60%**
- Led development of an automated voice testing tool using **Python**, **C++**, and **Alexa Voice SDK**, improving test consistency and reducing testing time by over **95%**
- Engaged in **Test Driven Development** and wrote unit/regression tests with **Jest** to improve code quality and reliability

Mobile Applications Developer   MAY 2018 - AUG 2018
TD Bank Group

- Worked in cross-platform team to develop internal workspace booking 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

PROJECTS

Data Runner   🔗 GitHub

- Created website for visualizations of running data with charts and heatmaps in **React**
- Built a RESTful API with **Mongo** database using **Node.js**, **Express**, and **Mongoose** to provide data to frontend
- Utilized JSON Web Tokens to handle user login and authentication

UW Blueprint - DanceFest   🔗 GitHub

- Collaborated in a team to build **Android** app with **Kotlin** for a non-profit organization, allowing judges to score dancers and write notes digitally
- Retrieved display data and submitted forms using **Firebase** with real-time updates

I'm Napping   🔗 GitHub

- 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

SKILLS

Languages:
JavaScript, Python, Java, Kotlin, C++, Bash

Frameworks:
React, Express, Mongoose

Technologies:
AWS, Firebase, MongoDB, SQL Node,js, Android Studio, Git

EDUCATION

UNIVERSITY OF WATERLOO

Candidate for Bachelor of Computer Science
2017 - Present

3.8 / 4.0 GPA

AWARDS

2017 Faculty of Mathematics Scholarship
$5,000 value

Dean's List
(Fall 2018, Winter 2019)
>87% term average

INTERESTS

Running
Long distance runner, over 500km run over past year

YouTube
Content creator with 800+ subscribers & 5 million views

Android
ROM flashing, custom theme creation, and phone news