

Daniel Peng

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EXPERIENCE

Software Engineer Intern - Search

Jan 2020 - Apr 2020

Tableau

- Architected an **Elasticsearch** query modification library in **Java** for independent versioning, testing, and isolation of search relevance functionality
- Collected search data for development of ML models by designing telemetry and a relevance rating tool using **React**, **AWS Lambda**, and **DynamoDB**
- Added **AWS SQS** integration to a **Java Spring** service to allow for data ingestion from a new product offering

Software Engineer Intern

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 **95%**

Mobile Applications Developer

May 2018 - Aug 2018

TD Bank Group

- Worked in cross-platform team to develop workspace booking app in **Android** with **Java**, reducing time needed to do booking tasks by over **90%**
- Used **Firebase** database with LiveData and observers to manage UI state/lifecycles

PROJECTS

UW Blueprint (Building tech for non-profits)

 [GitHub](#)

- Built **Android** app with **Kotlin** to digitize grading and ranking for a provincial dance competition, streamlining the judging process for 500+ contestants
- Worked on a **Ruby on Rails** API for a flowchart creation tool, enabling creation of more accessible flowcharts for social service information

Data Runner

 [GitHub](#)

- Created website for visualizing running data in **React** with **Redux**
- Built API with **Mongo** database using **Node.js** and **Express** to process raw GPS data with JSON web token based authentication

SKILLS

Languages:

Java	C++
Python	JavaScript
Bash	Kotlin

Technologies:

AWS	React
Elasticsearch	Node.js
Docker	Express
Spring Boot	SQL
Terraform	Git

EDUCATION

University of Waterloo

**Bachelor of
Computer Science**

2017 - Present

3.8 / 4.0 GPA

AWARDS

**2017 Faculty of
Mathematics Scholarship**
\$5,000 value

Dean's List
(Fall 18, Winter 19, Fall 19)
>87% term average

INTERESTS

Unix Theming
Mechanical Keyboards
Running
Podcasts
Consumer Tech