

# ANGELA TSANG



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tsangela.github.io

B.S.C. MAJOR IN COMPUTER SCIENCE

THE UNIVERSITY OF BRITISH COLUMBIA



GPA: 86.9% (A)



Expected Graduation: May 2021

Programming

Frameworks & Libraries

Relevant courses

Java, JavaScript, C/C++, Python, SQL, JSP

React, Node.js, TypeScript, JUnit, Mocha, Chai, Testing Library, JQuery, GDB

Artificial Intelligence, Relational Databases, Internet Computing,

Computer Hardware & Operating Systems, Computer Graphics

## WORK EXPERIENCE

TABLEAU

Software Engineer Intern

Vancouver, BC

AUGUST 2020 - PRESENT

APPNETA

Full-Stack Developer Co-op

Vancouver, BC

MAY - AUGUST 2020

- Introduced end-to-end ability to run network capacity tests from any user-configured interface address
- Implemented whitelist logic in Python script to download network monitoring software, tools, and packages
- Improved web accessibility of icon usage product-wide
- Wrote unit tests using Sinon, Chai, and React Testing Library

GROW TECHNOLOGIES

Software Engineer Co-op

Vancouver, BC

JAN - AUG 2019

- Maintained existing SaaS server and client side production builds using Java, Python, React, and JavaScript
- Developed RESTful API endpoints to facilitate integration and data aggregation with third party services
- Expanded unsecured lending product with conditional offer redirecting that increased conversion by 5.7%
- Added configuration to toggle permission to override automatic loan quote generation

## PERSONAL PROJECTS

YOU DECIDE

Eatery Decider

React / JS

JULY - DEC 2019

- Integrated Google Places API to retrieve and display nearby food places within 1km radius
- Dynamically compute the distance to a food place using Haversine distance calculation
- Implemented random place selection feature to ease decision making

BESTFRIENDBOT

Confidence-Training Chat Bot

Microsoft Azure / React / JS / CSS

JAN 2019

- Leveraged Microsoft Azure cognitive services to improve user's communication abilities through iterative feedback
- Integrated Azure Speech-To-Text and Cognitive Services to analyze vocal input and mood
- Built dashboard to efficiently track trend in communication scores
- Placed top 20 of 132 teams and won the Wolfram Award at nwHacks 2019 (Western Canada's Largest Hackathon)

## ACADEMIC PROJECTS

STYLISR

Fashion Inquiry Network

React / Redux / GraphQL / Node.js / MongoDB

MAY 2020 - PRESENT

- Collaborated in a team of 4 people using Agile methodologies and Jira issue tracking
- Architected sort and filter capabilities using React Router and query parameters
- Implemented GraphQL APIs to query and mutate data from MongoDB store
- Developed a web scraper to dynamically retrieve clothing item metadata from a given URL

TINY ANALYSIS

Java Code Coupling Grapher

D3.js / TypeScript

NOV 2019

- Performed static lexical analysis on Java codebase to highlight class coupling and code similarity
- Designed a computation to score the code similarity and produce a diff of two classes