

NATALIE NGAN

3rd Year, Computer Science
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ubc science co-op



SKILLS

Languages:

C/C++

Java

Python

Web:

HTML/CSS

JavaScript

JQuery

Node.js

Tools:

- IntelliJ
- Android Studio
- Unix
- Xcode
- Github
- MacOS

EDUCATION

University of British Columbia

Bachelor of Computer Science,
Second Degree Program (BCS)

Expected 2019

Current GPA of 4.10

Bachelor of Arts,
Psychology and Family Studies
May 2014

UBC President's Entrance
Scholarship, 2009 – awarded
for academic excellence
(94.5%)

TECHNICAL PROJECTS

Photography Portfolio Website (www.NatalieAlaska.com)

Apr 2017 – Present

- Currently adding mobile device compatibility
- Created an online gallery for my work as a portrait photographer
- Used JavaScript, HTML, CSS, Bootstrap, Masonry.js, Featherlight.js to implement image slideshows, Pinterest-style layout, and interactive visual effects

Tic-Tac-Toe Android Game with Computer Opponent

Jan – May 2017

- Used Java to implement the minimax algorithm to find best game move for computer opponent according to difficulty level set by user
- Created colourful GUI with XML through Android Studio to enhance game experience
- Available on Google Play: <https://goo.gl/aUFdhP>

Miscellaneous C/C++ Projects (Academic)

Jan – Apr 2017

- Created an airport runway simulation by implementing queue functions
- Wrote Binary Search Tree functions to sort words and their frequencies in text files
- Solved the multi-threaded Cigarette Smoker's Problem and Unisex Washroom Problem using Mutex Locks and Semaphores

TransLink Bus Android Application (Academic)

Nov 2016

- Completed an Android app to display Vancouver bus schedule and route in real time
- Used Java to parse and render JSON data provided by TransLink open API
- Designed and ran JUnit tests, and used the IntelliJ debugger and GenyMotion Android emulator to ensure the application runs seamlessly

EXTRACURRICULAR ACTIVITIES

MSFTHack 2017, RecipeBot

Mar 2017

- Created a Facebook messenger bot that analyzes photos of grocery items uploaded by users and suggests recipes available for the products
- Used Node.js, Microsoft Azure, Microsoft CNTK and Bot Framework to build an interactive conversation between users and the bot

AxiomZen Hackathon, Two Can Dine WebApp

Mar 2017

- Used JavaScript, HTML, and CSS to develop a WebApp for users to exchange homemade meals and promote cultural diversity through food
- Responsible for the visual effects, such as interactive buttons and pop-up information windows, and user input forms

Amazon Open Data Hackathon, New Westminster Helping Hub

Feb 2017

- Created a website for a community to exchange help during extreme weather conditions, to receive updates from the city, and to report road conditions
- Used JavaScript, HTML, CSS and Bootstrap to design an easy-to-use UI
- Won 3rd place in the hackathon

WORK EXPERIENCE

Wireless Sales Representative, Fido Solutions

May 2012 – Feb 2017

- Conducted debriefing of sales, policy, and promotion updates to a team of 11 staffs
- Provided customer service, technical support, and troubleshooting for mobile device
- Promoted to keyholder status within three months of employment

Shift Supervisor, Starbucks

Jul - Nov 2015

- Organized the tasks of the team by supervising up to 7 staffs, provided coaching to team members, and managed store operations
- Promoted to Shift Supervisor status at Starbucks within one month of employment