NATALIE NGAN

3rd Year, Computer Science

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SKILLS

Languages:
Java
C/C++
Swift

Web Development:
JavaScript
React/Redux
Node.js
LoopBack.io
Webpack
HTML/CSS
JQuery
Jasmine

Software/Tools:
IntelliJ
Android Studio
Xcode
Unix
Git
Adobe Photoshop

EDUCATION

University of British Columbia

Bachelor of Computer Science (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%)

NON-TECHNICAL WORK

Fido Solutions
May 2012 – Feb 2017
Keyholder/Wireless Sales Rep.

WORK EXPERIENCE

Agile Developer Intern, SAP   Sep 2017 – Present
JavaScript, React/Redux, SAPUI5, Jasmine

- Developer for 2 document & data manipulation features for the SAP Analytics Cloud using MVC architecture
- Assisting with migrating SAPUI5 modules to React-Redux components
- Building unit/integration tests and regression test plans for new features using Jasmine
- Working in an Agile Scrum environment, using project management software and version control systems such as JIRA/Git

Software Developer Intern, Fortify Communications   July – Sep 2017
Java, Swift, Node.js, LoopBack.io, Realm, Retrofit, MixPanel

- Project owner for the in-house Android personality test app, responsible for design, development, and training developers for the project
- Built the app infrastructure to manage local database and handle API calls to the server, including user login, retrieving profiles, and posting test results
- Integrated MixPanel in Android and iOS apps to gather user's usage statistics

Teaching Assistant, University of British Columbia   July – Aug 2017
C, Assembly

- Provided tutoring to help students understand course materials during labs, office hours, and on the online discussion board
- Assisted the professor in marking assignments and exams, and invigilating exams

TECHNICAL PROJECTS

Photography Portfolio Website (www.NatalieAlaska.com)   Nov - Dec 2017
JavaScript (ES6), React/Redux, Webpack, Babel

- A Pinterest-style photo gallery with responsive design by creating collapsible navigation & hamburger menu components, and image reflow for smaller screens
- Added load time optimization with code-splitting techniques for asset caching

Live Web Casting, SAP Orca Hack Day   Dec 2017
JavaScript, SAPUI5

- Implemented a dialog component to initiate live web mirroring to allow users to see their edits on a target screen in real-time

Tic-Tac-Toe Android Game with AI Opponent   Jan – May 2017
Java

- Implemented the minimax algorithm to find best game move for computer opponent according to a 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**

ReciperBot, MSFTHacks   Mar 2017
Node.js, Microsoft Bot Framework, Microsoft Computer Vision API

- Created a Facebook messenger chatbot that analyzes photos of grocery items uploaded by users to suggest cooking recipes
- Injected Computer Vision API into conversation stream and parsed JSON data for analysis

New Westminster Helping Hub, Amazon Open Data Hackathon   Feb 2017
JavaScript, HTML, CSS, Bootstrap

- Created a website for a community to exchange help during extreme weather conditions, to receive updates from the city, and to flag traffic blockages
- Won 3rd place in the hackathon