





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

WORK EXPERIENCE

Agile Developer Intern, SAP

Sep 2017 – Present

JavaScript, SAPUI5, React/Redux, Jasmine

- Developer for 2 features for document & data manipulation tools 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

EDUCATION

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 and 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 moves 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, MSFT Hacks

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 the 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

NON-TECHNICAL WORK

Fido Solutions

May 2012 – Feb 2017

Keyholder/Wireless Sales Rep.