

Kathryn Ng

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Education

University of British Columbia – Kelowna, BC
- Bachelor of Arts, Majoring in Computer Science

September 2017 – April 2022

Skills

Object Oriented Programming: Knows how to effectively create classes in Java and functional TypeScript to apply OOP concepts such as inheritance and polymorphism to make React Widgets.

Unit Testing: Understands how to create and modify unit tests for client and server side components to ensure that code works accordingly, and passes a threshold before releasing.

UI/UX Design: Experience with conducting user research, using Adobe Illustrator and Figma to build wireframes and prototypes, and create components based off findings and designs.

Organization and Collaboration: Able to prioritize and sort tasks to be able to complete them efficiently, as well as listening and cooperating with others in a team to achieve a shared goal.

Languages

Java Javascript HTML5/CSS MySQL Python C# C++ ReactJS TypeScript PHP

Tools

Android Studio Cordova Git Jira .NET NodeJS Linux Redux TravisCI

Experiences

FreshGrade Education Inc.
Co-op Developer

September 2020 – Present
Vancouver, BC

- Developed new features and wrote tests for each new client-side feature implemented using **TypeScript**, contributing to an **increased** interest and new user sign ups on the software **by 15%** compared to the year before.
- Developed mobile features using **React**, **TypeScript** and **Cordova** for mobile development, testing and deployment.
- Built functions and tests in **C#** on the **.NET** server to accompany client-side modifications.
- Fixed bugs and performed hotfixes that were logged during the development or after each release update, helping **improving 30-day user retention by 4%** as well as user-experience.
- Reviewed and tested colleagues' code through GitHub, provided feedback and improvement or when outcome did not work as intended.

APD Group Sdn Bhd
Technology Intern

May 2018 – June 2018
Kuala Lumpur, Malaysia

- Co-developed a webpage for a client's event in 2 days using **HTML** and **CSS** frameworks such as Bootstrap and **JS** libraries like Waypoints, had **more than 2000 attendees** on the day of the event.
- Updated webpages and assets for a client's webpage using **HTML** and Bootstrap components on Adobe AEM, **improving web site visits by 10%**.
- Implemented **RESTful APIs** using **Spring Framework** to optimize requests and responses made on a client's site.
- Developed **device responsive** infographics on client's website, using **CSS** and client-provided designs.

Projects

Perceptual Quality Video Interface – Capstone Project May – August 2020

- A web application that compares the quality of two of the same videos.
- Designed the user interface, developed web app in **JavaScript** and **ReactJS**

Stomach Party – Personal Project July 2020 – (In Development)

- **ReactJS** based web application / interactive game that allows the user to discover how their stomach space is used.

Clubs and Hackathons

UBCO Computer Science Course Union
Creative Director, Front-End Developer '19-'20

UBCO Girls in Tech
Creative Director, Event Organizer '19-'20

NwHacks 2020 – UBC Vancouver NwPlus
Project: Quantomoku Bakery

Cmd-F 2019 – UBC Vancouver NwPlus
Project: SafetyBit