

BRIAN S. KIM

3rd Year, Computer Science Major

<http://briank-git.github.io>

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SKILLS

Programming: Java, TypeScript, JavaScript, HTML, CSS, C/C++

Other/Tools: OOP, APIs, JUnit Testing, TDD, Mocha/Chai testing, REST, Promises

PROJECTS

Portfolio Website

Dec 2020 – Present

- Self-learned and applied HTML, JavaScript, and CSS to create a website for showcasing projects with a widget showing local weather and temperature using the Dark Sky API as well as interactive pictures and links

InsightUBC (Academic)

Jan – Apr 2020

- Worked in an Agile team of two, with 4 sprints to implement complex functionalities on existing code, applying TTD using Mocha/Chai to ensure specifications were met for each sprint
- Wrote a TypeScript backend API to process JSON queries a database and returned a filtered JSON object as result
- Sent user queries and presented results through a browser UI using REST endpoints, and used Promises using asynchronous programming.

BFS/DFS Image Fills (Academic)

Feb – Mar 2020

- Implemented BFS and DFS algorithms in C++ to apply a flood fill effect to any image using efficient implementations of a queue and stack and function objects to determine the fill colour of a pixel

WorkScheduler (Academic)

Sep – Dec 2019

- Developed a self-directed project, a scheduler that allows placement of employees in three shifts for each day of the week, with the option to print a calendar for the following week and to save and load previous sessions
- Implemented using Java and OOP principles such as polymorphism and inheritance, with a simple Swing GUI
- Performed JUnit testing to ensure an error free app

WORK EXPERIENCE

Cargo Inspector, Certispec Services Inc., Burnaby, B.C., Canada

Jun 2017 - Sep 2019

- Led the crew for quality control of bulk cargo at the Port of Vancouver, in-charge of identifying, documenting, and reporting potential quality issues for clients such as Teck and Canpotex
- Prevented potential loss of thousands of dollars of cargo by spotting a developing spill during a vessel load, stopping operations, and investigating.

Geophysical Assistant, Frontier Geosciences, North Vancouver, B.C., Canada

Nov 2016 – Jun 2017

- Worked in teams conducting geophysical surveys for mining and civil projects in B.C; impressed the employer with calculations of geophysical parameters that were later presented to Diavik diamond mine

VOLUNTEERING

Math Tutor, Learning Buddies Network, Vancouver, B.C., Canada

Jan – Apr 2015

- Acting as a student mentor I collaborated with a group of peers at Pierre Elliot Trudeau Elementary to provide weekly one-on-one sessions which aimed to improve students' basic math and social skills.

EDUCATION

Bachelor of Computer Science, University of British Columbia, Vancouver

2019 - Present

BSc (Physics), University of British Columbia, Vancouver

2012 - 2016

- Dean's List: 2013, 2014, 2020