

Branden Tam

MAJOR IN COMPUTER SCIENCE | 3RD YEAR

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Technical Skills

Programming Languages	Java C++ JavaScript HTML CSS
Technologies	Node.js Express.js jQuery EJS Git IntelliJ
Database	NoSQL MongoDB Mongoose SQL MySQL

Work Experience

Castofly Technologies Inc.

Vancouver, BC

SOFTWARE DEVELOPER

January 2021 - Present

- Developing, implementing, and testing new user tools and server-side algorithms using Java
- Assisting in the integration of new application functionalities into the existing architecture

Pansophy Education Ltd.

Vancouver, BC

INSTRUCTOR

January 2020 - December 2020

- Taught a weekly introductory **Java** class, this included tasks such as: lesson planning, marking work, returning feedback, lecturing, and guiding exercises
- Led a weekly **Scratch** class as an intro to programming
- Tutored three weekly one-on-one Math sessions of varying levels (Grade 5 - 8)

Projects

HomeBase

PERSONAL PROJECT

June 2020 - Aug 2020

- Developed a full-stack web application that greets the user, provides the date, relevant weather data, and offers a functional To-Do List
- Implemented a personalized user experience using EJS templates and information gained from the landing page
- Gathered current weather information at user's location through HTTP requests, JSON parsing, and the use of a RESTful API
- Stored and retrieved user's tasks from a MongoDB database through the use of the Mongoose ODM
- **Technologies:** JavaScript, CSS, HTML, Node.js, Express.js, EJS, MongoDB, Mongoose

Simon Says

PERSONAL PROJECT

Aug 2020

- Created a Simon Says game complete with animations and record-tracking functionality
- Implemented game design by using jQuery's event listener capabilities, running a callback function after each click to check user's correctness
- Checked for correctness by comparing an answer array against the user's input array during each round
- Designed game animations using jQuery, adding and removing CSS classes after a certain time delay
- **Technologies:** JavaScript, jQuery, CSS, HTML, Node.js

When2Meet

PERSONAL PROJECT

July 2020

- Implemented an online Discord (messaging application) bot that can set input-specified meet-up times between users
- Designed functionality to enable users to seamlessly signup for a meeting with a single click
- Created bot listener and response methods using Node.js and Discord.js functionality
- Engineered bot notification system to notify users when it's time to meet
- **Technologies:** JavaScript, Node.js, Discord.js

Restaurant Ordering Kiosk

ACADEMIC PROJECT - FINAL GRADE: 100%

Sep 2019 - Dec 2019

- Created a mock ordering kiosk application complete with Graphical User Interface functionality
- Designed features such as ordering items from a set menu, ordering custom items, removing items from the cart, and checking out
- Tested program robustness and functionality using JUnit
- **Technologies:** Java, IntelliJ

Technical Extracurricular Activities

The Complete 2020 Web Development Bootcamp

Udemy

STUDENT

July 2020 - Present

- Studied the fundamentals of full-stack web-development
- Learned core web-development technologies such as CSS, HTML, JavaScript, SQL, and more
- Developed multiple projects such as HomeBase and Simon Says using the course curriculum
- Learning the very popular front-end framework, React

Jane Street's Electronic Trading Challenge

Jane Street

PARTICIPANT

July 2020

- Finished in the Top 10 Teams in Jane Street's first virtual ETC
- Participated with two teammates in an 8 hour coding competition within a simulated trading market
- Utilized Python as well as production and testing servers to deploy and develop prototypes of bots

Volunteer Experience

UBC Hong Kong Student's Association

UBC

SENIOR VICE PRESIDENT

March 2020 - Present

- Overseeing one of the largest international organizations at UBC, leading a team of over 100 executives over 5 departments
- Supervision, training, and management of 18 department directors and their vice presidents
- Liason between UBC HKSA and UBC AMS (overseer of UBC students) and other UBC organizations

Thompson Summer Day Camps

Thompson Community Centre

LEADER

Summer 2018

- Oversaw the safety and care-taking of over 20 children on a day-to-day basis
- Worked actively with children and their parents to create a safe and fun environment
- Participated in weekly performance review sessions with senior staff to improve my leadership and communication skills

Education

University of British Columbia

Vancouver, Canada

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Sept 2017 - Apr 2022 (expected)

- 86.5% Major Average
- **Relevant Coursework:** Data Structures and Algorithms, Object-oriented Programming, Software Architecture and Operating Systems