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

Work Experience

Pansophy Education Ltd.   *Vancouver, BC*

INSTRUCTOR   *January 2020 - Present*

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

It's All About Grill   *Richmond Night Market*

STALL MANAGER   *Summer 2018, Summer 2019*

- Managed inventory supply and fellow staff before and during every operation weekend
- Handled client interaction and operated cash-register during working hours
- Replenished supply of stock as needed throughout the week

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 use of an API and Express.js functionality
- 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 functionalities such as ordering items from a set menu, ordering custom items, removing items from the cart, and checking out
- Implemented checkout list using an array of Order objects, with each individual order holding information about the user's preferences
- 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
- Currently 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

Summer Day Camps *Thompson Community Centre*

Leader *Summer 2018*

- Was responsible for 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 Brish 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