Branden Tam

MAJOR IN COMPUTER SCIENCE | 3RD YEAR

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Technical Skills

Programming Languages	Java	C++	JavaScript	HTML	CSS *currently learning
Technologies	Node.js	Express.js	jQuery	EJS	Git	IntelliJ	React*
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*

- Programmed a Simon Says game complete with animations and record-tracking functionality
- Created 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
- Users are able to opt in or out of the meet-up with a single click, users are notified via a message sent by the bot when it's time to meet
- Created using Node.js and Discord.js functionality, bot event-listener and response methods in particular
- Users who choose to participate in the meetup have their discord user ID's pushed into an array, this array is later iterated over to notify each user when time is up
- **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
- Functionality includes 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
- **Technologies:** Java, IntelliJ

Technical Extracurricular Activities

The Complete 2020 Web Development Bootcamp *Udemy*

Student *July 2020 - Present*

- Proficient in the fundamentals of full-stack web-development
- Learned core web-development technologies such as CSS, HTML, JavaScript, SQL, and more
- Studying 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 against other participants in 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