Benjamin Zhuo

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EDUCATION

University of Toronto — Toronto, ON
Bachelor of Science in Computer Science and Statistics, Minor in Mathematics — *Sept. 2018 – May 2022*

- Deans List Scholar following summer 2020
- GPA 3.6/4.0

Relevant Course Work
Courses From Computer Science, Statistics, and Mathematics — *Sept. 2018 – Present*

- Software Engineering, Machine Learning, Artificial Intelligence, Data Structures and Algorithms, Software Design
- Probability and Statistics, Methods of Data Analysis
- Linear Algebra, Calculus, Number Theory, Combinatorics

PROJECTS

DialogFlow Chatbot | *DialogFlow, Node.js, Heroku* — Summer 2020

- Developed a chatbot for Ontario Council of Agencies Serving Immigrants using DialogFlow.
- Trained Chatbot to answer user questions using Google's NLP framework.
- Directs users to OCASIs forum where many questions are already answered, leading to increase in user retention.
- Implemented fallback intent to perform a custom Google Search of OCASI website in case of unrecognized user response in the form of a webhook implemented with Node.js.
- Deployed on Heroku.

Weather Bot | *Discord API, OpenWeatherMap API, Node.js, Heroku* — December 2019

- Developed a Discord bot to provide weather information from within the Discord application.
- Created bot using Discord API and pulls weather information using OpenWeatherMap API.
- Returns weather forecast for next 7 days using Discord embedded text.
- Deployed on Heroku and used in a Discord server with 100 members.

Sudoku Solver | Python, PyGame — December 2019

- Implemented a Sudoku solver using the backtracking algorithm in Python.
- Added GUI representation of Sudoku using the Pygame library.
- Can solve any 9x9 board provided, while displaying process visually.

Mobile Mini Games | *Java, XML, Android* — September 2019

- Developed an Android gaming application comprised of three structurally distinct mini-games to play, each equipped with its own levels and scoring systems.
- Back-end consists of Java and front-end was done through XML development.
- Implemented in-game shop feature, allowing users to collect sprites through exchanging in-game currency earned from mini-games.

EXPERIENCE

Sales Associate/Warehouse Associate — July 2017 – September 2018
YVR Airport — *Richmond, BC*

- Regularly met weekly sales goals and daily budgets.
- Provided guests with excellent customer service as well as a memorable experience.
- Facilitated the training of 10 new hires, including: transacting different tenders, dealing with foreign currency, cashing out procedure, and loading and steering pallet jacks.

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, HTML/CSS, R
Frameworks: React, Node.js