

## Jeffano John

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### WORK EXPERIENCE

#### The Buckmaster Institute, Inc.

Vancouver, British Columbia

Junior Software Developer

May 2022 – August 2022

- Transcribed hard-coded Python scripts to improve efficiency by future proofing the implementation of developed Python scripts that transcribe audio recordings to musical notation while detecting different frequencies within the file
- Produced audio files of different frequencies using a Python sound library - pyAudioAnalysis while plotting music notations to analyze the sound quality that was being generated with an accuracy rate of 87%
- Developed Python scripts of well-constructed, testable code for transcribing recordings; improved its efficiency by 95%
- Submitted 20+ company database entries of CSV file analysis using various python packages such as SciPy, NumPy, Plac, StatsModels and Matplotlib
- Created educational weekly instruction videos for the employer's YouTube channel covering various topics related to software development that increased average viewership by 72%

### LEADERSHIP & EXTRACURRICULAR ACTIVITIES

#### Western AI

London, Ontario

Project Manager

September 2022 - Present

- Led a team of 5 developers to deploy a Machine Learning Model of financial projections of food and household items
- Developing professional relationships with the team to help improve their coding skills in hopes to make them more competitive in the job market
- Ensuring that the team meets deadlines to guarantee that they are competitive in the upcoming Canadian Undergraduate Conference on AI (CUCAI) that welcomes 600+ delegates
- Scheduling meetings with CUCAI representatives to provide updates, code demos and discuss strategy to remain competitive in the competition

#### Engineering Club

Mississauga, Ontario

President

June 2020 – July 2021

- Led an executive team of 7 individuals to expose high-school students to the field of engineering
- Conducted over 40 interviews along with the executives to recruit 20 high-potential members
- Facilitated weekly meetings with the executive team to ensure that the 20 members have the opportunity to explore engineering and career options within it
- Contacted several experienced professionals to conduct talks and info-sessions exclusively for club members

### SKILLS

**Technical Skills:** Java, Python, Git, HTML5, CSS, JavaScript, Node.js, Vue.js Bootstrap, Microsoft Office 365,

- Over 3+ years of Java programming experience through courses and projects
- Improved program debugging skills through previous work experiences and projects
- Completed projects with searching and sorting algorithms along with linear and non-linear data structures
- Developed programs that required the use of JavaScript Document Object Model and Events
- Project management skills acquired through work and leadership experience

### PROJECTS

#### The Watercooler

Hack Western 9

- Developed a full stack application with a team of three individuals that connects employees in remote workforces with one another based on their interests
- Constructed the front end of the application using HTML, Bootstrap, and JavaScript that would receive input from the user and be sent to a database hosted on AWS
- Technologies: HTML, Bootstrap, JavaScript, AWS, PostgreSQL, Rest, Express.js, Node.js

#### Python: Snake Game

- Designed a game using the PyGame library to build features into the game
- Engineered collision detection for the snake to react different depending on its collision against a wall or a fruit
- Built functions to display the score during and after the game, adding food randomly on the map and increasing the length of the snake as it consumes the food

### EDUCATION

#### University of Western Ontario

London, Ontario

Bachelor of Engineering Science, Software Engineering (BESc)

2021 - 2025

- Western Scholarship of Distinction (95% Admissions Average)