

JOSEPH JO

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SUMMARY OF QUALIFICATIONS

- Proficient in Java and Python. Familiar with JavaScript, C, HTML, CSS, SQL, MongoDB and Bash.
- Experience with Next.js, Node.js, React, Bootstrap, EJS, Git, jQuery, Pandas, PyTorch and NumPy.
- Strong foundation in Object-Oriented Programming, Data Structures, and Algorithms.
- Ability to work efficiently and find creative solutions when in high stress situations.
- Exceptional teamwork and communication skills to contribute positively towards a working environment.
- Fluent in Korean and intermediate in French.

EDUCATION

B.Sc. Computer Science and Biology

Graduated Dec 2020

McGill University, Montreal, QC

- Relevant Coursework: Probability, Discrete Structures, Algorithms & Data Structures, Programming Languages & Paradigms, Artificial Intelligence, Software Design, and Machine Learning.

EXPERIENCE

Research Assistant | McGill University, Montréal

Sep 2020 – Dec 2020

- Applied EvoLSTM, a program that uses Long-Short Term Memory recurrent neural networks in research.
- Analyzed probabilistic models on rates of context dependent mutations in the genome of different species to derive ratio deviations of K-mers with different sizes.

Junior Packaging Handler | 3B Global, China

May 2019 – Aug 2019

- Demonstrated effective interpersonal skills while working with co-workers across a language barrier.
- Prepared thousands of textile rolls for sales by developing an efficient scheme for high-quality packaging.

English Teacher | G&B English School, South Korea

May 2018 – Aug 2018

- Conveyed information in a simple and concise manner by creating easy to follow class modules.
- Improved students' interpreting, writing, and speaking skills, resulting in an average grade increase of 15% on standardized tests.

PROJECTS

Personal Website | www.joseph-jo.com

April 2021 – Present

- Designed a personal website that is optimized on desktops, tablets, and cellular devices.
- Utilized frameworks like Next.js, React, Bootstrap, along with HTML5, and CSS, hosted on Netlify to deliver a website that is responsive easy to navigate.

Image Classifier | Machine Learning

Dec 2020 – Jan 2021

- Programmed in python using Flickr API to download images of Black Pink K-pop idol members to train and test the image classifier.
- Image classifier utilized Keras and Tensorflow to implement Convolutional Neural Network.

EXTRACURRICULARS

Project Manager | McGill Chinese Student Society

Sep 2017 – Aug 2019

- Led and delegated tasks with a team of 30 executives to coordinate events of up to 1000 participants.
- Applied effective scheduling and risk management skills to successfully execute large-scale events.

Pit Orchestra - Clarinet | The McGill Savoy Society

Sep 2017 – Apr 2018

- Performed Gilbert and Sullivan's Iolanthe.
- Adapted quickly to change in a stressful, dynamic environment in accordance with the performers, the conductor, and the stage management team.