Brian Pho

CONTACT
· REDACTED

PORTFOLIO
· brianpho.com
· linkedin.com/in/brian-pho
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SKILLS
Languages
· Python
· JavaScript
· Java
· Bash

Technologies
· Git/SVN
· Windows/MacOS/Linux
· Keras/TensorFlow
· React/Node.js
· Atlassian Suite
· JetBrains IDEs

AWARDS
· PURE (2019)
· NSERC USRA (2019)
· Del Henderson (2017)
· Horatio Alger (2015)

INTERESTS
· Artificial Intelligence
· Neuroscience
· Swimming
· Running
· Reading

EDUCATION
M.Sc. Neuroscience, Western University
Sep 2020 – Aug 2022 · 2 years · London, ON
· Thesis: Using Machine Learning to Identify the Neural Mechanisms Differentiating Cognitive Functioning in Children and Adolescents
· Explored fMRI data in children aged 5-16 using various machine learning models to tease out links between brains and cognitive measures like IQ

B.Sc. Software Engineering, University of Calgary
Sep 2015 – Apr 2020 · 5 years · Calgary, AB
· Cumulative GPA: 3.6 / 4.0

EXPERIENCE
Graduate Student Teaching Assistant, Western University
Sep 2020 – Apr 2021 · 8 months · Remote
· Lectured four one-hour tutorials per week on various psychology topics such as learning, memory, intelligence, language, and consciousness
· Managed 120 student's tutorial grading and assignment issues

Summer Student Researcher, University of Calgary
May 2019 – Aug 2019 · 4 months · Calgary, AB
· Created a machine learning model to detect a set of seven basic emotions in speech achieving an accuracy of 57%
· Designed a data pipeline from scratch to clean, process, and store audio data that fed into the model for training, validation, and testing

Software Developer Intern, Pason
May 2018 – Apr 2019 · 1 year · Calgary, AB
· Developed industry-leading software to diagnose and fix issues on over a thousand oil and gas drilling rigs
· Participated in all aspects of the development process such as requirements gathering, design, implementation, code reviews, and testing
· Communicated potential issues to the team to facilitate discussion and to ensure its visibility

PROJECTS
Foodee, Final Year Capstone Project
Sep 2019 – Apr 2020 · 8 months · Calgary, AB
· Collaborated with five software engineers to build a restaurant-analytics platform that aggregates and analyzes data to provide insights
· Investigated the application of machine learning to optimize restaurant operations by applying techniques and models from data science