KWAN KIU CHOY (KOBY)

E-mail:
kwan.choy@mail.utoronto.ca
Mobile Telephone:
(Canada) : 437-986-3083
Address: Mailbox 62,
95 Queen's Park Crescent,
Toronto, Ontario

in https://www.linkedin.com/in/
koby-choy-39912416b/

GitHub https://github.com/Ikochoy

Additional Skills

1.Language:
Cantonese - native,
Mandarin - fluent,
English - fluent
- TOEFL: 113/120
(Speaking: 27, Reading: 28,
Listening: 30, Writing: 28)
- IELTS: overall band: 8.0/9.0
(Speaking: 7.0, Writing: 7.5,
Reading: 8.5, Listening: 8.5)

2. Programming Skills:
- Python - Proficient
- Java - Proficient
- Html, CSS, PHP - Fluent
- Git (Version Control) -
  Experienced
- Android Studio -
  Experienced
- R - Basic
- SQL - Basic
- Verilog - Basic

3. Additional Computer Skills:
Adobe Flash, Publisher, Apple
Movie Editor, Wavepad,
Mixpad, Microsoft packages
(Powerpoint, Excel, Word),
GarageBand, Maya 3D studio

Education

2018 - present: Bachelor of science in University of Toronto (Computer Science Specialist + Statistics Minor)
- My cumulative GPA is 3.97
- (2019) Awarded The Janet Jarrett Memorial Scholarship from Victoria University
- (2018) Awarded Admission scholarship from Victoria College of University of Toronto;

Working Experiences

Research Assistant in the Department of Political Science of University of Toronto (2019-present):
- Code and analyze data, and build analysis models with python from all data collected from various sources

Software Engineering Summer Internship in Molekiu Limited (2019 May - August):
- Built a reception app for a displaying robot with Java, Android Studio and the robot SDK; implemented voice command abilities to android apps; Used robot SDK to control the movement of robots;
- Built a museum app with 2 colleagues, specifically creating a backend website for the museum app, allowing users to upload materials onto the server, and retrieve the materials in the app;

Enrichment Experiences

ID Tech camp at University of Hong Kong: Artificial Intelligence and Machine Learning (2018):
- Built a machine learning model in Python which guesses the best fit line in a graph; built an Image Classifier using Tensorflow and Pycharm, and trained the system with the MNIST and CIFAR-10 data

Research Project on RSA cryptography and Perfect security (2017):
- Focused my research in RSA cryptography; Went into depth of the mathematics (modular arithmetic) of the RSA mechanism, also in quantum computers and perfect security

Job Shadowing Program at Thales (Department of Cybersecurity) (2017):
- Performed wifi scanning in the office; Introduced to spearing, phishing and malware

Projects

Three Eyed Raven 【Python】(2019 August):
- A Simple Line Regression Model to predict whether the closing price of the stock of Tencent Limited next day will be higher or lower than the closing price today.; collected data (PE, RSI, transaction volume, open price, past close prices) starting from May 2014 to present days; Used the built in linear regression model from the sklearn module and handle data in forms of arrays using the numpy module;

Project Calorie 【Java + Python】(2019 - present):
- The goal is to make an android app that allows user to know their calorie intake just by taking a picture with their phone. Currently, I have built a Database of nutrition content with 4137 different types of food, and the android app that connects to the database.

Extracurricular Activities

(2018) 10th Annual Nakamura Keith Haring Collection International Children's Drawing Contest: Klyoharu Art Colony Award
(2018) Hong Kong Territory-wide Youth Painting Competition: Top 100 Winners
(2018) 48th World Schoolchildren's Art Exhibition: Gold Award
(2017-2018) 18th, 19th International meeting of Juvenile Art: Honorable Mention
(2017) Australian National Chemistry Quiz: High Distinction
(2017) Secondary School Mathematics and Science Competition: High Distinction in Chemistry
(2016-2017) Artist for School Magazine
(2016) ABRSM Grade 5 Guitar (pass)
(2016) Stanford Pre Pre-collegiate Summer Institute: Introduction to Number Theory
(2015) Stanford Pre Pre-collegiate Summer Institute: Introduction to Discrete Mathematics
(2014-2017) Participate in Hong Kong Inter-school Swimming Competitions (Division 1)
(2012-2018) SPCS Swimming Team: Vice President (2016-2017)