

Jackson To

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SUMMARY

Hard-working web developer with a flair for creating elegant solutions in the least amount of time. I am passionate about software architecture and using machine learning to improve quality of life.

EDUCATION

LIGHTHOUSELABS

Oct 2019-Jan 2020

WEB DEVELOPMENT BOOTCAMP

UNIVERSITY OF TORONTO ST. GEORGE CAMPUS

2015-2019

BACHELOR'S OF ART/SCIENCE -
PHYSICS MAJOR

LINKS

Github:// [checksonhk](#)

LinkedIn:// [jackson](#)

COURSEWORK

UNDERGRADUATE

Time Series Analysis

Electronics Lab

Practical Physics I

Practical Physics II

SKILLS

LANGUAGES

- Python
- JavaScript
- TypeScript
- Ruby
- HTML
- CSS

FRAMEWORKS & LIBRARIES

- NodeJS • React • Rails
- Ajax • Express • Knex
- EJS • JQuery • WebSockets
- TensorFlow • Pandas • scikit-learn

TOOLS

- VSCode • GIT • MySQL
- MsOffice • LaTeX

EXPERIENCE

PEAU | MACHINE LEARNING DEVELOPER

Dec 2018 – Present | Toronto

- Implemented machine learning algorithm to correctly determine which products to recommend to a user, Machine Learning algorithms tested so far: Regression, user and item based kNN, SVM with accuracy upwards of 70%.
- Built information extraction and text pipelines to extract make up products off Sephora, to create a database to base initial algorithm on.
- Designed & Built **Peau.social** from scratch with self designed UI/UX.
- Stack: MERN, Python, Tensorflow

CHINESE UNIVERSITY | RESEARCH INTERN

May 2017 – Sept 2017 | Hong Kong

- Reorganized and streamlined construction documents for Inter-University Hall.
- Conducted visual analysis to support senior leadership with creations of various info graphics

HONG KONG HOMES | BUSINESS ANALYST INTERN

May 2016 – Sept 2016 | Hong Kong

- Collaborated with stakeholder groups across the organization to ensure business and technology alignment. Proposed solutions meeting defined specifications and needs.
- Provided executives with analytics and decision-support tools used as the basis for reorganization, consolidation and relocation strategies.

PROJECTS

!RITUAL | Web App

Nov 2019 | Toronto

Created an web application for an online food ordering app. Developed on top of the user experience found on Ritual, and developed Restaurant side Interface for processing orders. Using Google's location services efficiently to capture accurate location to provide accurate travel times and maps directions via Trello services.

Stack: NodeJS, Express, EJS, JQuery, PG, Twillio, GoolgeMaps API

INTERVIEW SCHEDULER | WebApp

Nov 2019 | Toronto

A Interview scheduler which integrates webSockets and React to provide real time scheduling for interviews.

Stack: React, Express, PG, Axios

COMPARING TRADITIONAL TIME SERIES TECHNIQUES AND DEEP LEARNING FOR FORECASTING | Research

Jun-Dec 2018 | Toronto

An exhaustive analysis between traditional times series techniques such as regression, ARMA, ARIMA, FFT and Kalman Filters, and LSTMs.

Stack: Python, Pandas, SciKit-Learn, TensorFlow

APPLIED Q LEARNING ON CRYPTOCURRENCIES - BTC, ETH, XRP | Research

July-Oct 2019 | Toronto

Data Exploration and Data Cleaning of dataset over 100,000 rows scraped from Yahoo Finance API. Which implemented a 3 state environment of Buy, Hold and Sell to train - Implemented modern training methods - Day Trading Scalping

Stack: Python, Pandas, TensorFlow