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 Intern
Dec 2018 – Present | Toronto
- Implemented machine learning algorithm to correctly determine which products to recommended 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