Jackson To

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Hey! I'm a FullStack Web Developer with a STEM background

EDUCATION

LIGHTHOUSELABS
Oct Cohort 2019
WEB DEVELOPMENT BOOTCAMP

UNIVERSITY OF TORONTO ST. GEORGE CAMPUS
2015-2019
BACHELOR'S OF ART/SCIENCE - PHYSICS MAJOR

LINKS

Github:// **buildflash**
LinkedIn:// **checkson**

COURSEWORK

GRADUATE
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

EXPERIENCE

PEAU | MACHINE LEARNING DEVELOPER
Dec 2018 – Present | Toronto
- Built information extraction and text pipelines to extract make up products off Sephora, to create a database to base initial algorithm on.
- Data Exploration Analysis of collected Database, that lead to insights which were implemented into the algorithm within a month
- Implementation of 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%.
- Designed & Built **Peau.social** from scratch with self designed UI/UX.

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
- 3D Modelling for the CU Academic Building 2

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-Nov 2019 | Toronto
Created an web application for replicating Ritual - Torontos's fastest growing online food ordering app. Replicated user experience found on Ritual, and developed Restaurant side Interface. Using Google's location services efficiently to capture accurate location to provide accurate travel times and maps directions via Trello services.

INTERVIEW SCHEDULER | Research
Jun-Dec 2018 | Toronto
A Interview scheduler which integrates webSockets and React to provide real time scheduling for interviews.

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.

APPLIED Q LEARNING ON CRYPTOCURRENCIES - BTC, ETH, XRP | Research
July-Oct 20119 | 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