

# 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](#)

WebSite:// [jacksonto.me](#)

## 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

## PROJECTS

### PATHFINDING VISUALIZER | WebApp

Feb 2020 | Toronto

A visualization tool created to help better understand pathfinding algorithms. It was also created to strengthen my understanding on various data structures and tree traversal algorithms.

Stack: React, Bootstrap 4

### WEQUEST | Progressive Web App

Jan 2019 | Toronto

weQuest is a community-driven app which provides users products on short-term rental. It challenges the traditional marketplace model in the sense that requester get to dictate terms for each transaction through a reverse auction mechanism.

Stack: React, Ionic 4, PG, TypeScript, Express, NodeJS

### !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, GoogleMaps 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

## EXPERIENCE

### PEAU | CO-FOUNDER DEVELOPER

Dec 2018 – Sept 2019 | 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.