Akiki Liang

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EDUCATION

UNIVERSITY OF TORONTO
Bachelor of Science (Hons.)
Computer Science Major + Statistics Minor
September 2019 - June 2023 | Toronto, ON

EXPERIENCE

HONEYBEE HUB INC. | Software Developer (Part-time)
August 2020 – Present | REMOTE

- Redesign and code client dashboard of website using **React.js** and **TypeScript** to increase **User experience** and client incentive.
- More tasks coming up in the future...

HONEYBEE HUB INC. | Software Engineer (Independent Contractor)
June 2020 – August 2020 | REMOTE

- Technologies: **JavaScript**, **TypeScript**, **Webpack**, **Node.js**, **G Suite APIs**, **Google Analytics**, **Google Tag Manager**, **Express.js**, **Google Cloud Platform**
- **Designed and built** (self taught) a **web widget** with **customizable** and **responsive** dimensions. The Widget is to be embedded onto third party websites; displaying research studies fetched from back-end **APIs**. Studies displayed are selected through a customizable embedding script (similar to Google Analytic's).
- Developed all features of widget including but not limited to an information **tracking pixel**, ability to share studies to social media, ability to participate in studies, and UI for study selection on the company's website.
- As a **contractor**, managed **communication** with the company, clarifying points of **software design** on deliverables, recommending best methods of development for front and back end of widget
- Will be returning as a part time developer during the fall 2020 semester

PROJECTS

RESPONSIVE REACT WEBSITE: UTCG.CLUB/ | Team (lead)

- Built and designed **React components** for club website after learning React in **less than 2 weeks**.
- **Taught** the code base to teammates and **lead front-end development** as a result.

GROUP SORTING OPTIMIZATION PROGRAM | Individual

- Created a **greedy algorithm** which **sorts** students into groups of 2 or more based on criteria such as relative distance, year level, relative GPA, etc. using **Python** and **OOP**.

STATISTICAL ANALYSIS OF CRIME IN TORONTO NEIGHBOURHOODS | Team

- Used **R** to **visualize and predict** auto theft crime in Toronto neighbourhoods.

SKILLS

LANGUAGES & FRAMEWORKS
Python • JavaScript • TypeScript • Java
Webpack • React.js • Node.js • R
HTML/CSS • Objective C (Winter 2020)

TOOLS TECHNOLOGIES
Git • Google Analytics • Google Tag Manager • G Suite APIs • Android Studio • VMware • VSCode • Vim
Google Cloud Platform (exposure)

OPERATING SYSTEMS
Linux • Windows • Mac OS

COURSEWORK

UNIVERSITY OF TORONTO
Data Structures & Algorithms (Fall 2020)
Software Design (Fall 2020)
Probability with Computer Applications (Fall 2020)
Operating Systems (Winter 2020)
Computer Organization (Winter 2020)
Discrete Math
Linear Algebra
Calculus
Introduction to Statistical Analysis

LEADERSHIP & EXTRACURRICULARS

EXECUTIVE MEMBER | University of Toronto Computer Graphics Club (UTCG)

- Work with companies, **recruiters**, **professors** and students over different **time zones** to organize job fairs, workshops and other club activities.
- Created a program for students to learn about and develop **Computer Graphics** projects for their resumes despite the difficulties of quarantine.