

# Akiki Liang

akiki.liang@gmail.com | 647.995.9089  
linkedin.com/in/akiki-liang | akikiliang.com | github.com/akiki-liango

## EDUCATION

### UNIVERSITY OF TORONTO BS (HONOURS)

MAJOR IN COMPUTER SCIENCE  
MINOR IN STATISTICS  
Sept 2019 - May 2023 | Toronto, ON

## COURSEWORK

### UNDERGRADUATE

*University of Toronto:*

*Data Structures & Algorithms*

Discrete Math

Linear Algebra

Calculus

Introduction to Statistical Analysis

*Stanford School of Engineering (Online):*

Game Theory I

Algorithms: Design & Analysis I

*Udemy:*

Linux Mastery

## SKILLS

### LANGUAGES & FRAMEWORKS

Python • Java • JavaScript • TypeScript  
React.js • Node.js • R • HTML/CSS •  
L<sup>A</sup>T<sub>E</sub>X

### 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

## INTERESTS & HOBBIES

Philosophy  
Violin  
Visual Arts  
Psychology  
Baking  
Reading  
Martial Arts

## EXPERIENCE

### HONEYBEE HUB INC. | CONTRACTOR -- SOFTWARE DEVELOPMENT

June 2020 - Present | REMOTE

- Designed and built (self taught) a **web widget** with **customizeable** and **responsive** dimensions that would be **embedded** onto third party websites upon completion in August, displaying research studies **fetches from back end** servers based on either a series of filters or specific studies listed in the customizable **embedding script**
- 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
- 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

### ALPHABRODER | INFORMATION TECHNOLOGY CO-OP

July 2018 – Aug 2018 | Richmond Hill, ON

- Studied **server virtualization** with **Citrix** and **VMware** virtual servers and various **security strategies** from experienced IT professionals
- Used **CMD**, **PowerShell**, and other internal tools for **Windows OS**

## PROJECTS

### RESPONSIVE REACT WEBSITE | UTCG.CLUB/

- Built and designed **React components** for club website after learning React in **less than 2 weeks**.
- Gained deepest **understanding of code base** faster than other members of the team, **taught** the code base to teammates and **lead front-end development** as a result.

### STATISTICAL ANALYSIS OF CRIME IN TORONTO NEIGHBOURHOODS | INQUIRE FOR CODE

- Determined **strength of correlation** between multiple variables and high crime rate in certain neighbourhoods by **calculating** linear association through linear regression
- **Visualized and predicted** distribution of crime in Toronto neighbourhoods using **R** programming language

### GROUP SORTING OPTIMIZATION PROGRAM | INQUIRE FOR CODE

- Created a **greedy algorithm** which sorts students into groups of 2 and above based on criteria such as relative distance, year level, relative GPA, etc.
- Used **object orientated programming** to represent students and groups as classes with hierarchy

## LEADERSHIP & EXTRACURRICULARS

### EXECUTIVE MEMBER | UNIVERSITY OF TORONTO COMPUTER GRAPHICS CLUB (UTCg)

Worked with company **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.