AKIKI LIANG

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EDUCATION

University of Toronto   Toronto, ON
Honours Bachelor of Science, Major in Computer Science + Minor in Statistics   *Sept 2019 – May 2024*

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, TypeScript, C, Python, Java, HTML/CSS, React, Node.js, Express.js
Developer Tools: Git, Google Analytics, Google Tag Manager, Protocol Buffers, Bash

PROFESSIONAL EXPERIENCE

Google LLC.   Waterloo, ON (Remote)
STEP Intern   *May 2021 – Aug 2021*
- Added three new categories (Apps to discover, Business essentials, and Work from everywhere) with manually selected apps to the homepage of the Google Workspace Marketplace website, using **Protocol Buffers**, **JavaScript**, **Java** and various internal tools/technologies in the front-end and back-end, resulting in better organization of apps for users.
- Reordered apps in new categories to display by descending install count, using Java, causing most popular apps to show up first when clicking into the new categories' page.
- Completed the entire development process, including writing the design document proposing data structures, algorithms and the implementation of the apps reordering feature, as well as a design review with hosts.
- Added banners to the categories page of each new category using various internal tools and technologies in the front-end.

Honeybee Hub Inc.   Toronto, ON (Remote)
Software Developer (Part-time)   *Aug 2020 – Jan 2021*
- Redesigned and built researcher client account dashboard using **React.js** and **TypeScript** to improve user experience and client's incentive to use the company's services.
- Collaborated with other developers to integrate payment system into researcher dashboard for monetization.
- Designed and coded a web-page containing pricing information for sponsoring research study posts.
- Pitched and researched for upcoming platform updates involving providing personalized recommendations of research studies to clients using AI (similar to YouTube's or Netflix's recommendation engines).

Software Engineer (Freelancer/Independent Contractor)   *June 2020 – Aug 2020*
- Designed and built (self taught) a customizable, responsive web widget with **JavaScript** and **Webpack** on the front-end to be embedded onto third party websites; directing people to select research studies featured on the company's website.
- Prototyped information tracking pixel for the widget on the back-end with **Node.js**, **Google Analytics**, and **Google Tag Manager**
- Built final information tracking pixel for the widget with **Node.js**, and **G Suite APIs** on the back-end.
- Managed clear communication with supervisors, researched and recommended best practices for software design, and completed the project on time with excellent independence leading to return offer for full-time or part-time.

PROJECTS

Responsive React Website: utcg.club/ | *Personal Project (Team, Lead)*   *Oct 2019 - May 2020*
- Built and designed **React** components for the club website after learning **React** in less than 2 weeks.
- Spearheaded the front-end development and design of the project, taught the code base to teammates and led front-end development as a result.

LEADERSHIP EXTRACURRICULARS

Projects Chair | *University of Toronto Computer Graphics Club (UTCG)*   *Oct 2019 – Present*
- Worked 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.