

JINGKE LIANG

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Highlights & Achievements

- Experiences on conducting websites and web applications with strong skill set on programming languages, frameworks, libraries: HTML, CSS, JavaScript, PHP, React, React Native, Angular, Vue, Bootstrap, MySQL, Oracle, TypeScript, Vercel, D3, jQuery, etc.
- Strong knowledge of OWASP, Microsoft Data Protection technologies embedded to Office 365 and Cloud security tools
- Strong mathematical and data analytical skills, specialized in applied statistics with extensive knowledge in computer languages such as: SAS, R, SPSS, Python, Latex, etc.
- Developed an integrated data analytical model analyzing 100K data using SAS Macro & SQL to support a published paper on Nutrition Intervention Monitoring Survey

Employment & Volunteering

Software Developer

October 21st, 2021- Aug.31th, 2023

(StorageVault Canada Inc.)

- Participated and contributed to the web application development tasks as part of the DV agile team
- Communicated with business leader and designer of the brands for renovation and debugging requests.
- Developed components (such as date picker, toggle switch, paginations, hover effect, map API) using JavaScript, and react.js.
- Helped with testing and maintenance of products pages and client portals using Node.js and PHP.

Full Stack Developer Intern

June 21st, 2021 - October 21st, 2021

(FlexSpace Logistics, internship)

- Participated in the weekly meetings with FlexSpace Logistics team to listen and understand the business
- Actively provided site design and functionality ideas based on the vision of the company
- Contributed to the development of the FlexSpace logistics site with a focus on presenting the value of the business clearly and increasing conversion rates
- Used Webflow to complete operational tasks including design, site functionality, bug fixes, database renovation, etc.

Website Maintenance Helper for MCMAC (Church)

2018-Now

- Updated bulletin of the website using HTML weekly
- In a group of six and assigned to take charge of two months of the year

Customer Service

(iTraining Association, seasonal)

- Communicated with instructors to arrange schedules for classes
- Replied inquiries from student through WeChat app or text messages
- Assisted the students with Registration and tuition payments

Leadership Activities

President

(UTM Mandarin International-students Christian Fellowship, student club)

- Arranged meetings and promoted **more than 5 big events** in the academic year
- Communicated with other 3 committee members and 3 coordinators from different backgrounds -Managed communication with UTM Student Union as the first point of contact and proposed the funding from Student Union

Treasurer and Caring Director

(UTM Mandarin International-students Christian Fellowship, student club)

- Organized and Recorded all the financial changes (using **Microsoft Excel**)
- Prepared for the audit package (including balance sheet and budget planning sheet) at the end of semester -Coordinated for weekly events that average **30 attendees**
- Invited visitors and collected feedbacks

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Education

University of Guelph

Sept. 2023 - Now

Honor Bachelor of computer science

- Achieve GPA 4.0

Web Development and Internet Application

2021-2023

Fanshawe College

- Ontario College Diploma
- Achieve GPA 3.75/4.0
- Dean's Honor Roll

Humber College

Jan. 2020 to Aug. 2020

- Web Design and Development (WDDM) 2020 certificate

University of Toronto School of Continuous studies

Sept. 2019 to Dec. 2019

e-Commerce and Online Business Management Certificate

- Completed course:

Online business Fundamentals and strategies , Online business tools and techniques, Online business Advanced management

- Practiced writing a detailed business plan containing eCommerce Opportunities Analysis, Business Environment Analysis (SLEPT Analysis, Porter's 5 forces Analysis), Marketing Strategies, Value Proposition, Differential offerings and Financial Models.

Bachelor of Science

Graduation on 2021

University of Toronto

- Specialist in Applied Statistics
- Major in Mathematics

Projects

Bouncing Ball Game

January 2023

React Native Mobile Game

- Design the game interface to seamlessly fit the vary screen size and resolution of mobile devices
- Successfully developed gameplay elements, user interface elements using React Native's powerful framework
- Conducted tests to ensure the stability and functionality of the game and make it accessible to users via Expo snack

Game Shop eCommerce Website Demo

March 2022

Angular Project

- Designed the UI components of a Game shop eCommerce website
- Developed the website home page, login and new-user registration page using Angular
- Created and connected google firebase databases with the web application for client information and product list.
- Successfully deployed using Vercel App

Nutrition Intervention Monitoring Surveys

May-Aug 2021

(NIMS project, University of Toronto)

- Analyzed the survey questionnaires on infant and young children nutrition for **five different countries**, which were designed as cross-sectional, two-stage cluster sampling method based on administrative areas where NI interventions are currently taking place
- Cleaned and analyzed the data sets from Philippines and contributed in writing the final report in the group of four
- Used **SAS Macro** codes, automatically implement tables into **Microsoft Excel** files for several variables with their frequency, standard error, 95% confidence limits, CV percent and design effect
- Used the result and applied deep learning and machine learning of data analysis on this project