Ming Yang (Kevin) Xu

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💼 EXPERIENCE

Software Engineer Intern – Bolt Financial Services
May 2020 – Present

Lab Programmer – Duncan Memory Lab
September 2019 – Present

- Redesigned and developed a **React.js** [web application](#) for the deployment of an **open-source** psychology software project using Next.js and Tailwind CSS
- Streamlined the organization of participant data by creating pipelines in Python
- Assisted with general technical and programming-related issues around the lab

Networks Developer Intern – University of Alberta
May 2019 – August 2019

- Delivered a localization system for BLE devices using **multithreading** in C, analyzing over **500 data points** in real-time
- Solved the issue of noise in data between devices using a trilateration algorithm, reducing noise by over **50%**
- Established a visualization for the graph of beacons using the StreamGraph API and Swing components in Java

⚙ PROJECTS

Bud(dy)get – https://buddiget.herokuapp.com

- Problem-solved the process of managing roommate finances by building a custom **MERN stack** application
- Devised a **REST API** using Express/Node.js to communicate with a MongoDB database
- Designed and built a front-end with **React** and Tailwind CSS and applied **Redux** to manage application-level state between components

MyGlowUp – Web Application

- Awarded **Top 10 Prize** out of 102 projects at UofTHacks VI
- Oversaw the development of the front-end using HTML and CSS that prioritizes UX
- Implemented an efficient search engine using the Algolia Search API

Study with Me – Mobile Application

- Utilized **Microsoft Azure** Text Analytics API to match users based on the degree of sentiment and keywords
- Directed the design and implementation of an interactive UI in JavaScript

🎓 EDUCATION

University of Toronto
Sept 2018 – April 2022

BSc. Computer Science and Economics

CGPA: 3.97/4.00

🗄 SKILLS

Go	React
Python	Express
C	Node.js
Git	TypeScript
Linux	HTML
MongoDB	CSS

🏀 ACTIVITIES/AWARDS

CS Orientation Leader
Welcomed and led a group of first-year CS students.

UofT CS Community
Organized and planned CS related events for students.

SHAD Enrichment Program
Solved energy issue through entrepreneurial product

Victoria College Basketball

YouTube/Videography

GraphQL LinkedIn Certificate