Kimberly Cao

kimberly.cao13@gmail.com | linkedin.com/in/kimberlymaicao/ | github.com/kimberlycao | kimberlycao.com

EXPERIENCE

Full Stack Developer Intern   April 2021 – September 2021
Citylitics Inc.   *Toronto, ON*

- Implemented RESTful APIs using **Django** to allow for storage of consumer data, leading to 30% increase in size of key dataset
- Re-architected querying engine using **React**, **CSS**, and **Redux**

COMMUNITY & LEADERSHIP

Project Manager and Developer   September 2021 – April 2022
UTM Robotics Club   *Mississauga, ON*

- Developed project timelines that aligned with the club's event plans
- Communicated milestones, deliverables, and change requests with other members of the executive team and event partners

PROJECTS

Memories | *Personal Project*   July 2022

- Created a scrapbooking app using **MongoDB**, **Express**, **React + Redux**, and **Node**
- Added email and Google authentication, ability to comment, and pagination

Lyrics Generator | *Course Project*   April 2022

- Scraped approximately 200 song lyrics using **Python** and the Spotify and Genius APIs
- Utilized **PyTorch** to fine-tune the GPT-2 transformer model to produce song lyrics, achieving a loss of 0.02

Deerhunt Infrastructure | *UTM Robotics Club*   December 2021

- Automated the computation and scheduling of 3000+ matches between 510 iterations of AI players for 20+ teams of 2-4 students through **Docker**, **React**, **Python**, and **Flask**

Talker | *Hack the North 2021*   September 2021

- Designed a mobile application that aimed to assist speech language pathologists in diagnosing their patients with challenges in their speech (e.g. disfluencies, interjections)
- Implemented using **Flutter**, **Flask**, and Google Cloud Platform's App Engine

Producgive | *Hack the North 2020++*   January 2021

- Collaborated with a team to design an app aimed at boosting productivity by donating a user-determined amount of money to charity if goals are not reached
- Implemented using **Dart** and **Flutter** with user and session information stored in an **SQL** database and Firebase Authentication to allow for account creation sign-in
- Facilitated payments using **Go** and the Stripe API

EDUCATION

University of Toronto   Toronto, ON
Honours Bachelor of Science   *Spring 2022*

- **Computer Science** Major with Minors in **Statistics** and **Mathematics**
- Coursework: Computer Organization, Software Design, Data Structures and Analysis, Intro to Databases, Intro to Machine Learning, Neural Networks and Deep Learning
- Involvement: UTM Robotics Club

TECHNICAL SKILLS

Languages: Python, JavaScript, Dart, SQL, HTML, CSS
Frameworks: Flutter, PyTorch, Express
Developer Tools: Command Line, Git, PostgreSQL
Libraries, Tools and Other: React, Bootstrap, MongoDB, Node, NumPy, Figma