

# KEYU WANG

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## Education

McGill University - Bachelor of Science, Montreal QC

September 2020 - Present

Cumulative GPA: 3.95/4.00

- Concentrations: major in **Computer Science**; minor in Geographic Information Systems
- Relevant Courses: Software Design, Algorithms and Data Structures, Fundamentals of Computer Vision
- Awards: Dean's Honors List 2020/21 & 2021/22, NSERC Undergraduate Student Research Awards 2023

## Work Experience

AI & Data Engineering Intern, [Bell Canada](#) - Montreal, QC

May 2023 - December 2023

- Built ML algorithms including **clustering** on business sites using frameworks such as **Scikit-learn**
- **Data analysis & engineering** support for building training dataset of a Presence-only model
- Utilized **Agile** methodologies (Scrum) to ensure effective collaboration with team members

[Research Assistant](#), McGill University - Montreal, QC

February 2023 - January 2024

- Built a storymap & an animated web map for possible migrations taken by nobles in early imperial China (Western Han period) that visualizes the noble's movements using **JavaScript, HTML, Leaflet & ArcGIS**

Head Instructor Coding & Game Design, Appleby Camps - Oakville, ON

June 2022 - August 2022

- Planned course materials for coding and video game design camps, and taught basic **Python** and **GameMaker** to over 140 children from 7 to 14 years old

## Research Experience

PROJECT: [Frame Prediction for Aerial Objects](#) - Montreal, QC

September 2022 - December 2022

- Developed object tracking & frame prediction methods for aerial objects in MATLAB based on classic computer vision algorithms

PROJECT: [California Gold Rush Historical Storymap](#) - Montreal, QC

September 2022 - October 2022

- Visualized the history and impacts of immigration to California during 1848-1869 via a storymap
- Developed base map from Mapbox & GeoJSON, then the chapters through HTML & JavaScript

## Leadership Experience

Vice President Media

September 2020 - Present

[McGill University Chinese Students & Scholars Association](#) - Montreal, QC

- Developed webpages on WeChat Official Accounts for 70+ sponsor stores promotion display; got 1000+ users
- Collaborate within the media team as a leader to film & edit 3 promotion videos for club sponsors each year

## Skills & Interests

- **Programming:** Java, Python, JavaScript, HTML & CSS, MATLAB, C++, Bash, OCaml
- **Databases:** PostgreSQL, DB2, Teradata SQL, Microsoft SQL, SAS
- **Language:** Native/Bilingual proficient in English and Mandarin Chinese; working proficient in **Japanese (JLPT N2)**