

# KEYU WANG

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## Education

McGill University - Bachelor of Science ; Montreal QC

September 2020 - June 2024

Cumulative GPA: 3.97/4.00

- 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 Honours List 2020 & 2021, NSERC Undergraduate Student Research Awards 2023

## Work Experience

Undergraduate Research Assistant, McGill University - Montreal, QC

February 2023 - Present

- 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, Node.js, Leaflet & ArcGIS

Head Instructor Coding, 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: [2018 FIFA World Cup: Visualize the Diversity](#) - Montreal, QC

November 2022 - December 2022

- Visualized the diversity of the 2018 FIFA World Cup using a chord diagram
- Created the diagram from D3.js, then displayed in a webpage using HTML, JavaScript, & Figma

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 4 promotion videos for club sponsors each year

## Skills

- **Programming:** Java, JUnit, Python, JavaScript, Node.js, HTML & CSS, MATLAB, C, Bash, OCaml
- **Frameworks & Tools:** JUnit, JavaFX, Git, D3.js, React.js, Mapbox, ArcGIS
- **Language:** Native/Bilingual proficient in English and Madarin Chinese; working proficient in Japanese
- **Others:** Adobe Premiere Pro, Photoshop, Lightroom