

KUAN YI WANG

CONTACT

kuanyi.wang0906@gmail.com
(438) 722-0688
Montréal, QC
<https://www.linkedin.com/in/kuan-yi-wang-443871319/>

EDUCATION

Catalyst & QSYS summer programs
University of Waterloo

2024
Waterloo, ON

CÉGEP Honors Health Science
Marianopolis College
2024 - current
Montréal, QC

SKILLS

Programming languages

Python (Flask, numpy, scikit-learn, pandas)
JavaScript
HTML/ CSS
SQL (SQLite)
Git

Languages

French (fluent)
English (fluent)
Mandarin (fluent)
Spanish (advanced conversational level)
German (passionate learner's level)

CAREER OBJECTIVE

CÉGEP student with experience in programming, quantum computing and artificial intelligence working across the full-stack of software development. Looking for a role where I can grow rapidly and learn from experienced team members while drawing on project experience I have already successfully executed.

WORK EXPERIENCE

Neuropoly software engineering intern

Polytechnique - Université de Montréal

June 2024- current/Montréal, QC

- Assisted in the development of neuroimaging analysis tools and extensions for 3DSlicer
- Conducted data preprocessing and analysis for various neuroscience research projects
- Collaborated with researchers to enhance software usability and functionality and contributed to the Neuropoly GitHub repository
- Helped in the development and workflow of multiple PhD students through manual segmentation of CT/MRI scans

BrébeufHx Hackathon organizer

Collège Jean-de-Brébeuf BrébeufHacks

October 2022 - current/Montréal, QC

- Presented a need for a computer science club to student government, obtained club approval, and secured club advisor
- Co-led the challenges team in designing advanced Python contest questions
- Co-led members to seek out sponsors and mentors for workshops during the annual event
- Supervised at the event and provided aid for all contestants in technical need

Robotics camp counselor

Collège Jean-de-la-Mennais

July 2023 - August 2023/La Prairie, QC

- Maintained high levels of discipline by implementing conflict resolution protocol
- Taught Python to children in four weeks
- Taught robotics to children (Lego Mindstorms and Spike)
- Created and maintained program records, including incident reports, daily attendance sheets, and logs

PROJECTS

Protein synthesis simulation Folding@Home project

Co-founder

April 2024 - current

- Request for grants from Collège Jean-de-Brébeuf for the purchase of several servers from the Jewish hospital
- Installation of Linux and Folding@Home software to help scientists around the world simulate protein synthesis to find cures for cancer and Alzheimer's
- Head of the communications team and management of all relations with the grants committee and sponsors
- Installation and monitoring of high-performance servers at Collège Jean-de-Brébeuf

SARS-CoV-2 genome classifier

Lead developer

July 2023 - August 2023

- Utilized linear regression models to classify SARS-CoV-2 variants based on specific genome diversification
- Led project under a mentor and presented project to co-InspiriAI Scholars' program participants

Lingoloom: A Free Language Learning Platform

Creator

September 2023 - current

- Built responsive app using Flask, Python and SQL that allowed users to learn a language through repetitive pronunciation practicing and listening
- Built features using Deepgram-API, OpenAI-API to provide a responsive language learning experience
- Released it for free for Collège Jean-de-Brébeuf students
- Submitted as my personal project and credited

AI ambassador

InspiriAI Ambassador

April 2024 - June 2024/Montréal, QC

- Sent out emails to community representatives to raise awareness about artificial intelligence
- Analyzed multiple scientific articles on neural networks' implication in establishing etymological cognates between Asiatic languages
- Attended multiple seminars with lead software developers from top US universities
- Selected among the top performing ambassadors based on outreach effectiveness