

KUAN YI WANG

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EDUCATION

Marianopolis College	Montréal, QC	May 2026
Diplôme d'études collégiales (DEC)		Overall R-Score: 37.325
Honours Health Sciences		Overall average: 91.8

TECHNICAL SKILLS

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|-------------------------|-------------------|-------------------------|
| • Python | • Ruby on Rails | • GitHub Copilot/Cursor |
| • JavaScript/TypeScript | • Supabase/Stripe | • Figma |
| • Flask/React/Next.js | • Google Cloud | • Claude Code |

INDUSTRY EXPERIENCE

Neuropoly Polytechnique Montréal	Montréal, QC	June 2025 – curr.
<i>Research & Development Intern</i>		

- Trained and fine-tuned nn-UNet deep learning AI models to automate the segmentation of spinal cord multiple sclerosis lesions on contrast and modality agnostic medical images.
- Contributed to SlicerCART, an open-source module optimizing the segmentation and annotation speed of Magnetic Resonance Imaging (MRI) and Computed Tomography (CT) images by over 80%.
- Contributed to CART, a base class module for the open-source medical image computing platform 3DSlicer, to enable iteration through large medical image datasets and to streamline machine learning pipeline construction.
- Engaged in quality control of segmentation mask inferences on lesions in the spinal cord.

Re:Pair Genomics	Toronto, ON	Feb. 2025 – April 2025
<i>Web Development Intern</i>		

- Designed and revamped company website to highlight recent achievements and products.
- Refactored backend of website using cloud-based and serverless emailing solutions.
- Curated documentation for future developers.

Community involvement

Piñata Pitch	San Francisco Bay Area, CA	Sep. 2024 – curr.
<i>Co-founder & Head of Communications</i>		

- Co-founded the largest student tech pitch competition based in Montreal.
- Organized a **Special Edition of Builder Sunday (AI Build Day x Pinata Pitch)** in collaboration with Shopify, helping more than 200 builders launch their startup in a hackathon-style networking event at the Montreal Shopify office.
- Organized unfounders, a hackerhouse in San Francisco promoting untraditional creator-founders during a16z Tech Week.
- Designed the CRM system for 1000+ students part of the Piñata Pitch community globally.
- Directed marketing and outreach team, and successfully secured partnerships with local youth movements, Front Row Ventures, Technology & Entrepreneurship Center at Harvard University, FTEX and notable influencers.

Recent projects

ISEF GNN Quantum Error Decoder	Phoenix, AZ	Oct. 2025 – curr.
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- Designed and launched 12 Graph Neural Networks (GNNs) to decode quantum errors on surface codes.
- Selected in Team Canada to participate in the International Science and Engineering Fair (ISEF 2026).
- Developed novel GNN decoder for large surface codes using 5 times fewer parameters than standard neural networks inferencing at a constant speed.

Brave Hearts Alliance E-Commerce Website	Montréal, QC	Sep. 2025 – curr.
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- Served as lead developer and designer of the e-commerce website for the Brave Hearts Alliance non-profit.
- Implemented AI-chatbot with Supabase to alleviate client experience and Stripe for instant-checkout.
- Implemented OWASP-compliant backend to manage hundreds of dollars of transaction weekly.