

Yujen (Jay) Lin

EDUCATION

2021–2024

North Toronto Collegiate
Institute

SKILLS

Programming

- Python
- Javascript

3D modeling

- FreeCAD
- Blender

Microcontrollers

- Arduino, ESP32

Graphic design

- Photoshop, CSP,
Premier

Language

- Mandarin, English,
Japanese

EXTRACURRICU LAR

- Robotics, Comp-sci,
Math clubs, 2021–
- Peer tutoring, 2022–
- Volunteer, Hackathon
Hack the North, 2023

CONTACTS

diamondjaylin@gmail.com

+1 (647) 685-9177

jenjenuwu.github.io

AWARDS

- Certificate of Distinctions (top 25% of contestants),
The Centre for Education in Mathematics and
Computing, 2021
- Mentee, Math Mentorship Program, Department of
Mathematics, University of Toronto, 2022

RESEARCH/WORK EXPERIENCE

Software developer | National Yang Ming Chiao Tung
University, Taipei, Taiwan

2022–2023

Develop automatic labeling of onset timing of words in
Mandarin speech with millisecond accuracy.

- Word timing used to calculate the information rate,
which were correlated with the human brain imaging data
to reveal language brain areas and networks
- Vosk speech recognition API

Programmer intern | Skywatch Inc., Taipei, Taiwan
2023

Create an on-screen camera configuration menu, including
the graphic user interface and callback functions

- C and compiled for public view monitors
- low-level programming with hardware

Mentee | Math Mentorship Program, Department of
Mathematics, University of Toronto

Jan. 2022–May 2022

Study how batch normalization improves the performance
of an artificial neural network and accelerates the
convergence of training (Santurkar et al., NIPS 2018).

- Pytorch API
- learned high-dimensional linear algebra, linear and
logistic regression, and multivariable calculus.

REFERENCE

Dr. Wen-Jui Kuo

Professor

Institute of Neuroscience, National
Yang Ming Chiao Tung University,
Taipei, Taiwan
Email: wjkuo@ym.edu.tw

JP Yang.

Founder and CEO

Skywatch Inc., Taipei, Taiwan
Email: jp.yang@skywatch24.com