

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

EXTRACURRICULAR

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

CONTACTS

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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 was used to calculate the information
rate, which was 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

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Yang Ming Chiao Tung University,
Taipei, Taiwan
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JP Yang.

Founder and CEO

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