

Kuan-Hung Yeh

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Objective

With the goal of bridging the gap between healthcare data researches and intervention, I will pursue an MS degree in Biostatistics start from 2021 fall.

Education

National Taiwan University (NTU)

Sep.2016 – Jun.2020

B.S. in Public Health, Overall GPA: **3.85/4.3**

- **Program:** Biostatistics and Infectious Diseases

Research Experiences

Taiwan Public Health Association, Advisor: Tzu-Pin Lu & Hsien-Ho Lin

Jul.2020 – Present

Research Assistant

- Authorized by **Taiwan Centers for Disease Control (CDC)** to conduct research on "Post-pandemic lifestyle behavior monitoring"

Biostatistics & Bioinformatics lab, NTU, Advisor: Tzu-Pin Lu

Jun.2019 – Feb.2020

Undergraduate Researcher

- Performed 75 % discrimination index (AUCs) by constructing a prognostic model typically for Taiwanese colon cancer patients. [\[Poster Link\]](#)
- Poster presentation in **2019 Taiwan Public Health Joint Annual Conference**.
- Won **Best Topic Research Poster Award in CPH** and granted by **College Student Research Scholarship**, Ministry of Science and Technology, Taiwan.

Department of Medical Research, TVGH, Advisor: Tzu-Hung Hsiao

Jun.2019 – Aug.2019

Research Intern

- **Detected susceptibility loci** associated with metabolic syndrome to further assist personalized medicine for subjects with abdominal obesity. [\[Poster Link\]](#)
- Under review by 2020 IEEE International Conference on Bioinformatics and Biomedicine (IEEE BIBM 2020)

Institute of Information Science, Academia Sinica, Advisor: Da-Wei Wang

Jun.2018 – Aug.2018

Summer Research Intern and Assistant

- Built **Diagnosis Related Groups on Ophthalmology** by using machine learning algorithms. [\[Github Link\]](#)

Competitions & Awards

2018 TMU x MIT (Sana) HIOT Hackathon

Oct.2018

1st Prize with NT\$80,000 (out of 20 teams) [\[News Link\]](#)

- A hackathon organized by Taipei Medical University and MIT Sana Global Team, Boston.
- Proposed an **Ultrasound Assisting System** for examination of internal hemorrhage with 93% accuracy rate.

Top 12 teams (out of 60 teams)

- A hackathon organized by Taiwan Heart Foundation and Ministry of Science and Technology.
- Built **an app to increase medication adherence** among patient with acute coronary syndrome.
- Won **Innovation Award** from Xin Chen Medical Research Foundation and School of Pharmacy, NTU.

Certificates, Honors and Awards

- Winner of Dr. KP CHEN Memorial Scholarship
 - ✓ Dr. KP CHEN is the father of public health in Taiwan, whose most well-known contribution is to clarify the causality between Blackfoot disease and arsenicosis.
 - ✓ Dr. KP CHEN Memorial Scholarship is one of the **Highest award for public health undergraduates in TAIWAN.**
- **Outstanding Graduate Award** in College of Public Health, NTU
- Winner of 2020 Elite Scholarship of Elite-Well Education Foundation
- Certificate of **Taiwan Medical Information Manager**
- Certificate of Complete CITI program in Biomedical Human Subject Research

Extracurricular activities

29th Health Services & Dedication Award / Volunteer Investigator

Aug.2019

Highest official award for medical personnel in TAIWAN(R.O.C.).

- Represented the Legislative Yuan to interview the award nominee.
- Made a presentation in Legislative Yuan for committee to vote for award winner

Public Health Student Association / Vice president

Aug.2018 – Aug.2019

- Engaged in curriculum general meeting and uphold student's right to education
- Organized academic and sports activity to promote student / faculty interaction.

Public Health Summer Service Team / Leader of Logistics Section

Oct.2018 – Jul.2019

- Raised total \$10,000 USD from Nonprofit Organizations and Foundations.
- Guided 90 students to advocate health promotion in Tainan for a week.

Language Skills

- **Advanced proficiency in English**
- **Native Proficiency in Mandarin**
- **Elementary Proficiency in Japanese**
- **Advanced proficiency in R (programming language)**
 - ✓ Libraries & Tools: survival, e1071, dplyr, ggplot2, qqman
- **Intermediate proficiency in Python (programming language)**
 - ✓ Libraries & Tools: Pandas, Numpy, Scikit-Learn, Tensorflow, Beautiful soup
- **Elementary proficiency in SAS (programming language)**