

Kuan-Hung Yeh

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Education

University of California, Los Angeles

SEP. 2021 – JUN. 2023 (EXPECTED)

M.S. in Biostatistics

National Taiwan University (NTU)

SEP. 2016 – JUN. 2020

B.S. in Public Health

- **GPA:** overall: **3.75/4.0**, last 60: **3.83/4.0**, graduate ranking: **4/41(9%)**
- **Selected Courses:** Biostatistics I & II 2016 (**A-** & **A-**), Epidemiology 2017 Fall (**A**)
Linear Algebra 2018 Fall (**A**), Machine Learning & Deep Learning 2019 Spring (**A**)
Survival Analysis 2019 Fall (**A**), Computing in Epi & Biostat 2019 Fall (**A**)

Research Experiences

Taiwan Public Health Association

JUL. 2020 – JAN. 2021

Research Assistant, Advisor: [Prof. Tzu-Pin Lu](#) & [Hsien-Ho Lin](#)

- Researched on **Automatic Mask Detection System**
- Funded by **Taiwan Centers for Disease Control (CDC)** in the project of "post-pandemic lifestyle behavior monitoring"

Biostatistics & Bioinformatics lab, NTU

JUN. 2019 – FEB. 2020

Undergraduate Researcher, Advisor: [Prof. Tzu-Pin Lu](#)

- Researched on **Prognostic Modeling** on Asian Colon Cancer Patients
 - Granted by **College Student Research Scholarship**, Ministry of Science and Technology, Taiwan (Acceptance rate: 40.3%)
 - Won **Best Topic Research Poster Award** in CPH, NTU [\[Poster Link\]](#)

Dept of Medical Research, Taichung Veteran General Hospital

JUN. 2019 – SEP. 2019

Summer Research Intern, Advisor: [Dr. Tzu-Hung Hsiao](#)

- Researched on **Genome-Wide Association Study** on Metabolic Syndrome
 - Gave an **Oral Presentation** at 2020 IEEE BIBM [\[Video\]](#)

Inst of Information Science, Academia Sinica

JUN. 2018 – SEP. 2018

Summer Research Intern, Advisor: [Dr. Da-Wei Wang](#)

- Built **Diagnosis Related Groups (DRGs)** on Ophthalmology using **Machine Learning & Deep Learning** algorithms [\[Github Link\]](#)

Publications

- [1] Han-Ching Chan, Chi-Cheng Huang, Ching-Chieh Huang, Amrita Chattopadhyay, **Kuan-Hung Yeh**, Wen-Chung Lee, Chun-Ju Chiang, Skye Hung-Chun Cheng, Tzu-Pin Lu, "Predicting Colon Cancer-Specific Survival for the Asian Population Using National Cancer Registry Data from Taiwan". Accepted to ***Annals of Surgical Oncology 2021***
- [2] **K. Yeh**, C. Lin, T. Hsiao and T. Lu, "Genome-Wide Association Study (GWAS) on Metabolic Syndrome in Subjects with Abdominal Obesity in a Taiwanese Population." Accepted to ***IEEE BIBM 2020***
- [3] **Kuan-Hung Yeh**, Tzu-Pin Lu, "Using National Cancer Registry Data to Develop Prediction Model for Colon Cancer in Taiwan." Accepted to ***Taiwan Public Health Joint Annual Conference 2019***

Honors & Awards

Honor Graduate, Public Health Dept. at NTU

Jun' 20

Elite Scholarship, Elite-Well Education Foundation

Fall' 19

Dr. KP Chen Memorial Scholarship

Spring' 19

- 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**.

Dr. Jiang Jian Memorial Scholarship

Fall' 18

Competitions

2018 TMU x MIT (Sana) HIOT Hackathon

Oct' 18

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

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

2018 Hack x Heart

Sep' 18

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 & School of Pharmacy, NTU

Activities

29th Health Services & Dedication Award

Aug' 19

Volunteer Investigator

- **Highest official award for medical personnel in TAIWAN (R.O.C.)**
- Represented the Legislative Yuan (**Taiwan's National Congress**) to interview the award nominee
- Made a presentation in Legislative Yuan for committee to vote for award winners

Public Health Student Association

Aug' 18 - Aug' 19

Vice President

- Engaged in curriculum general meeting and uphold student's right to education
- Organized and negotiated with the school authorities for providing more students space

Public Health Summer Service Team

Oct' 18 - Jul' 19

Leader of Logistics Section

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

Skills

Statistical Tools: R Language (Proficient), SAS (Basic), SQL (Basic)

Programming: Python (Proficient), Markdown (Basic)