Yu-Chi Huang

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Personal Site | GitHub | LinkedIn | Medium

EDUCATION

- **National Taiwan University**, Taipei, Taiwan   Sep 2011 – Jun 2016
  Degree: *Bachelor of Science*
  Major: *Computer Science and Information Engineering*
- **Tzu-Chi University**, Hualien, Taiwan   Sep 2018 - Present
  Degree: *MD*
  Major: *Medicine*

LAB EXPERIENCE & INTERNSHIPS

- **Dr. Jih-I Yeh's Lab**   Aug 2021 – Present
  Using R to find the relationships between diabetes-related complications and some drugs via National Health Insurance Research Database
- **Tzu-Chi University Hospital**   Sep 2018 – Jun 2019
  Supervisor: Dr. Gee-Gwo Yang
  Learn basic machine Learning with Octave
  Learn differential diagnosis on esophageal motility disorders via Chicago Classification 3.0
- **Machine Discovery and Social Network Mining Lab**   Sep 2015 – Jun 2016
  Supervisors: Prof. Shou-De Lin, Fifi Chen (Graduate Student)
  Help build Chinese poetry generator via two Chinese anthologies
- **hTC Corporation**   Jul 2014 – Aug 2014
  Software Engineer Intern
  Supervisors: Dr. Yi-Hsuan Feng, Asii Wu
  Get familiar with human face recognition technique via OpenCV

RELEVANT PROJECTS

- **Department Student Association Website**, Tzu-Chi University   Apr 2019
  Build a fully responsive website for our department student association
- ***Theory of Computer Games* Final Project**, NTU CSIE   Sep 2015 – Jan 2016
  *Build a 9*9 Go engine by applying Monte Carlo simulation*
- ***Computer Graphics* Final Project**, NTU CSIE   Sep 2014 – Jan 2015
  A 3D third-person shooter game built via Unity3D

WORK EXPERIENCES & EXTRACURRICULAR ACTIVITIES

- **Junior High Math & Science Tutor**   Aug 2021 – Present
- **Federation of Medical Students in Taiwan (FMS-Taiwan)**   Sep 2020 – Aug 2021
  Chief Information Officer
- **IFMSA Medical Student Research Exchange Program**   Jan 2021 – Feb 2021
  Exchange Student (cancelled due to COVID-19)
- **Department of Medicine Table Tennis Club**   Oct 2019 – Jun 2020
  Vice Captain
- **Department Student Association**   Jun 2019 – May 2020
  Head of IT Department
- **Overseas Community Affairs Council**   Aug 2016 – Jul 2017
  Alternative Military Service

- **NTU Toastmasters**   Feb 2014 – Jun 2014
  Academic Department Deputy

RELEVANT SKILLS

- **Languages**
  Python, C, C++, JavaScript, Html5, R, Octave
- **Web**
  jQuery (JavaScript), Node.js (JavaScript), Hugo, WordPress
- **Machine Learning**
  Keras, OpenCV
- **Game Design**
  Unity3D

HONORS

- **Student and Clinician Cooperation Research Plan**, Tzu-Chi University   Jan 2022 – Dec 2022
  Receive around 7,200 USD funding for "Applying the Statistical and Machine Learning Models to Predict the Risk of Diabetes-Related Complications" via National Health Insurance Research Database
- **Foreign Exchange Program Scholarship**, Ministry of Education   Jun 2020
  Receive around 2,900 USD funding for IFMSA Medical Student Research Exchange Program (cancelled due to COVID-19)

LANGUAGE PROFICIENCY

- **Taiwanese, Mandarin** (native)
- **English** (fluent, TOEFL: 105, GRE: 326, TOEIC: 930)
- **Japanese** (intermediate, Japanese Language Proficiency Test N2 level)
- **French** (beginner)