Yu-Chi Huang

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EDUCATION

- **National Taiwan University**, Sep 2011 – Jun 2016
  Degree: *Bachelor of Science*
  Major: *Computer Science and Information Engineering*
- **Tzu-Chi University**, 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 Medicine via National Health Insurance Database
- **Tzu-Chi University Hospital**, Sep 2018 – Jun 2019
  Supervisor: Dr. Gee-Gwo Yang (Mentor)
  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 Fifi Chen Built Chinese Poetry Generator via Two Ontology
- **hTC**, Jul 2014 – Aug 2014
  Software Engineer Intern
  Supervisors: Dr. Yi-Hsuan Feng (Mentor), Asii Wu (Team Manager)
  Get Familiar with Human Face Recognition Technique via OpenCV

PROJECTS

- **Department Student Association Website**, Tzu-Chi University, April 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 via 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

- **Math & Science Tutor**, Aug 2021 – Present
- **Federation of Medical Students in Taiwan (FMS-Taiwan)**, Sep 2020 – Aug 2021
  Chief Information Officer
- **International Federation of Medical Student Association SCORE 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

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 Instructor 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 Database
- **Foreign Exchange Program Scholarship**, Ministry of Education, June 2020
  Receive around 2,900 USD funding for International Federation of Medical Student Association SCORE exchange program (cancelled due to COVID-19)

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

Miscellaneous
- GitHub: https://github.com/gcaee
- Personal Site: https://gcaee.github.io
- LinkedIn Page: https://www.linkedin.com/in/yu-chi-huang-00869162?trk=hp-identity-name