

Chih-Ken (Iven) Yao



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EDUCATION

University of Southern California, Los Angeles, CA

Master of Science in Computer Science

August 2021–December 2023

- ❖ Coursework: Introduction to Programming Systems Design(A), Analysis of Algorithm(A), Web Technologies, Introduction to Computer Network

National Cheng Kung University, Tainan, Taiwan

Bachelor of Hydraulic and Ocean Engineering

September 2011-January 2016

- ❖ Awarded “Academic Excellence Award”, given to students ranked among top 10% by GPA
- ❖ Coursework: Introduction to Computer (A), Intro to Computer Science (A), Program Design 1 (A), Program Design 2 (A), Discrete Mathematics(A), Theory of Computational(A), Operating Systems(A), Algorithms(A), Computer Organizations(A)

WORK EXPERIENCE

BankPro E-Service Technology Co., Ltd, Taipei, Taiwan

Software Engineer

July 2016–July 2019

Java | jsp | CSS | JavaScript | SQL | Bootstrap 4

- ❖ Developed and maintained online enterprise banking system of Bank of Taiwan
- ❖ Rebuilt system into responsive web design with Bootstrap 4
- ❖ Built two factor authentication for system with google authenticator, Fido u2f key, and other approaches.

RELEVANT EXPERIENCE/ PROJECTS

Taiwan Artificial Intelligence Academy Artificial Intelligence program for technical professionals

- ❖ Coursework: R (Programming Language), Python, Probabilities and Statistics, Machine Learning, Deep Learning, Nature Language Processing, Reinforcement Learning
- ❖ Team Project: “Cancer Death Rate Prediction” using data analysis, feature engineering, and survival analysis to predict lung cancer death rate from molecular features, and got over 90% accuracy
- ❖ Team Project: “Generating missing part of food pictures with AI solutions” training a generative adversarial network model based on DeepFill with food pictures

Full Stack Web Development with React (Coursera) Bootstrap 4 | React | React Native | Expo App

- ❖ <https://iven-yao.github.io/conFusion-react>
- ❖ Building a restaurant introduction website with React and Bootstrap 4
- ❖ Rebuilt whole website into Android App with React Native and Expo App

Stock Search Single Page Application Flask | python | Google Cloud Platform | JavaScript | html | css

- ❖ <https://stockteddy.wl.r.appspot.com/>
- ❖ Built a single page application with Flask and deployed on GCP, which could get company profiles, price summary, half-year price/volume charts and latest news by stock ticker symbol
- ❖ Retrieved the data from Finnhub API, made stock charts with HighCharts API

Minesweeper Java

- ❖ <https://github.com/Iven-Yao/MineSweeper>
- ❖ An imitation of classic Minesweeper game with Java