

# 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

- ❖ GPA: 4.0, Candidate of Honors Program
- ❖ 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

## 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
- ❖ 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

### Stock Search Android

- ❖ Demo: <https://youtu.be/ntQOCvFns5o>
- ❖ Familiarize with Android lifecycle, Android Studio, and third-party library, such as Volley, Picasso, and Glide
- ❖ Implemented autocomplete search bar, mock-trading/favorites feature with shared preference as local storage, drag and drop/ swipe to delete recyclerView, and auto update the most recent stock price every 15 seconds
- ❖ Implemented backend with Node.js, express and axios

### Stock Search II Node.js | Angular | Bootstrap 4 | Google Cloud Platform

- ❖ <https://stockteddyex.wl.r.appspot.com/>
- ❖ Implemented backend with Node.js express to fetch stock information from Finnhub.io
- ❖ Used Angular and Bootstrap 4 to complete the pages, routing, and local storage
- ❖ User could input a stock ticker and get information of the company; prices will update every 15 seconds if market open
- ❖ User could make their own watchlist by clicking on the star, and mock trading with buy/sell button and portfolio page

### Stock Search Flask | python | HTML5 | CSS | JavaScript | Google Cloud Platform

- ❖ <https://stockteddy.wl.r.appspot.com/>
- ❖ Built a single page application with python Flask as backend
- ❖ Retrieved the data from Finnhub.io, made stock charts with HighCharts API
- ❖ User could input a stock ticker and the app will show information of the company, price, charts and latest news

### Taiwan Artificial Intelligence Academy

 Artificial Intelligence program for technical professionals

- ❖ Team Project: “Cancer Death Rate Prediction” using data analysis, feature engineering, and survival analysis to predict lung cancer death rate from molecular features with over 90% accuracy
- ❖ Team Project: “Generating missing part of food pictures with AI solutions” training a GAN model with food pictures