

Chih-Ken (Iven) Yao

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A MS in Computer Science graduate candidate with three years working experience as a software engineer, seeking a technical internship. A strong collaborator experienced in user-centric design.

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

National Cheng Kung University, Tainan, Taiwan

Bachelor of Science in Hydraulic and Ocean Engineering

September 2011–January 2016

- ❖ Awarded “Academic Excellence Award”, given to students ranked top 10%

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 for Bank of Taiwan
- ❖ Rebuilt system applied responsive web design with Bootstrap 4
- ❖ Built two-factor authentication for system with google authenticator, Fido u2f key, and other approaches

PROJECTS

Stock Search Android - Android Studio | Java | Html | Node.js

Demo: <https://youtu.be/ntQOCvFns5o>

- ❖ Know Android lifecycle, worked with Android Studio, and third-party library, such as Volley, Picasso, and Glide
- ❖ Basic features included autocomplete search bar / mock-trading / favorites feature with shared preference / drag and drop list / swipe to delete list / auto update the most recent stock price every 15 seconds
- ❖ Implemented backend data retrieval services with Node.js, express and axios to call Finnhub.io REST APIs

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

<https://stockteddyex.wl.r.appspot.com/>

- ❖ Used Angular and Bootstrap 4 to complete the pages, routing, and local storage
- ❖ Retrieve company news/information for a given stock ticker provided by users; prices auto-update every 15 seconds
- ❖ Allow users to customize their own stock watch-list and mock trading with buy/sell options in search/portfolio pages

Stock Search (a Single Page App) - Flask | python | HTML5 | CSS | JavaScript | Google Cloud Platform

<https://stockteddy.wl.r.appspot.com/>

- ❖ This single page application is built with python Flask as backend
- ❖ Retrieved the data from Finnhub.io, made stock charts with HighCharts API
- ❖ Based on users' stock ticker input, the app will display 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” used 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