

ANDREW (SHENG-CHU), CHOU

🏠 文京区本駒込6 1 5 1 1 六義園第五コーポ4 0 1 室
✉ andrewchou1996@gmail.com ☎ (+1) 408-439-3068 / (+886) 952007999

WORK EXPERIENCE

株式会社World Wide System *Developer (intern)*

Jul. 2023 - Sept. 2023
Osaka, Japan

- Integrated OpenAI's GPT-4 model into a Line Bot, enhancing conversational experiences and providing dynamic responses, including recipe recommendations.
- Created a user-friendly translation documentation using Python and the deep_translator package to seamlessly convert Japanese content into English.
- Leveraged Google Vertex AI to develop and deploy machine learning regression models, resulting in accurate predictions and valuable insights for various regression-based applications.

Charles Schwab & Co., Inc. *Fullstack Engineer*

Apr. 2022 - Mar. 2023
Texas, U.S.A.

- Improved accessibility by fixing the aria-label for masked mobile numbers, enabling proper Screen-Reader functionality.
- Implemented dynamic tagging to differentiate authenticated and guest users, in compliance with Tagging team standards for further analysis.
- Designed and executed a new workflow to redirect customers to relevant pages based on failure scenarios, enhancing the overall user experience.
- Developed a form generator that provides customers with various options for the source of income, based on their choice.

Antra, Inc. *Fullstack Developer*

July 2021 - Apr. 2022
Virginia, U.S.A.

- Utilized the MVC framework to design and develop a user-friendly movie shop webpage.
- Developed a server-side API using .NET Web API technology to enhance the functionality of the application.
- Designed and implemented a single-page application using Angular for seamless user experience.
- Conducted comprehensive unit tests to ensure the quality and robustness of the entire application.

Digital Development Department, Cathay Securities Investment Trust *Data Analyst (intern)*

July 2020 - Sept. 2020
Taipei, Taiwan

- Employed ensemble methods such as boosting and stacking to predict the Taiwan Stock Exchange Index in Python, achieving accurate results.
- Analyzed investors' emotion using the Bull-Bear Index, and tested the accuracy of different thresholds.
- Built an automated feature selection system and presented the results using various metrics, providing valuable insights for investment decisions.

TECHNICAL SKILLS

| | |
|----------------------|---------------------------------------------------------------------------------------|
| Programming Language | Python, JavaScript, TypeScript, C#, T-SQL, Python, R, L ^A T _E X |
| .Net Technologies | ASP.NET MVC, ASP.NET Web API, Entity Framework, Dapper |
| Web Technologies | Angular, React, HTML, CSS, Bootstrap, jQuery, Node.js, Express |
| Databases | Microsoft SQL Server, MySQL, PostgreSQL, MongoDB |
| Others | Agile, GitHub, Postman, Insomnia, Unit Testing, Heroku, AWS |

EDUCATION

University of Washington *Part-Time Fullstack Bootcamp*

Oct. 2022 - May 2023

- **Relevant Coursework:** HTML, CSS, JavaScript, APIs, Node, ES6, OOP, Express, MySQL, MVC, Sequelize, Testing, Agile, Progressive Web Apps, React, NoSQL, MERN Stack

University of Southern California *M.S. in Analytics*

Sept. 2019 - May 2021

- **GPA:** 3.8/4.0
- **Relevant Coursework:** Introduction to Data Management, Data Analytics Consulting, Analysis of Algorithms, Decision Analysis, Machine Learning for Data Science, Data Mining

Taipei Medical University

Sept. 2014 - June 2018

B.B.A in Health Care Administration

- **GPA:** Overall 3.88/4.00, Last 60 4.00/4.00

CERTIFICATES & LICENSES

Japanese-Language Proficiency Test Certificate (Level N1)

Jan. 2024

- Certified by the Japan Foundation and the Japan Educational Exchanges and Services

Medical Management Licence

Nov. 2016

- Certified by the Taiwan Association for Medical Informatics