Andre Shih

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EDUCATION

M.S. Information Technology Management,

The University of Texas at Dallas **(GPA4.0)**, Expected May 2023

B.S. Agriculture Economics,

National Taiwan University

Creativity and Entrepreneurship Program Certificate,

National Taiwan University

Tools: Python, SQL, JavaScript, Excel VBA, Pivot Table, Tableau, PowerBI, MongoDB
Frameworks: Pandas, NumPy, Matplotlib, Scikit-Learn, Node.js, Express.js
Industries: Food and Beverage, Startup Accelerator (IoT, HealthCare)

EXPERIENCE

Manager - Jin Men Zai Fresh Fruit Juice, New Taipei, Taiwan   Jul 2019-Jun 2021

- Integrated customer database and developed online ordering, POS, and electronic payment systems
- Launched new external online sales channels and delivery service, achieving 40% annual revenue growth
- Established an inventory management system, analyzed retail KPIs, and reduced rejection rate by 27%

Analyst (Part-time) - Taiwan Accelerator Plus, Taipei, Taiwan   Jul 2017-Jun 2021

- Established an artificial intelligence scoring system to evaluate startup applications and shorten the evaluation time from 3 weeks to 6 days
- Conducted technical investigations to assist startups in improving their operational layout planning

TECHNICAL PROJECTS

Optimize Efficiency of Taxi Industry   Jan 2022

- Optimize the daily operation and maximize income and efficiency for NYC Taxi Companies to by analyzing 3.9 million driver records. **(SQL, Python)**

Dating Application (HackDFW Hackathon - Match.com Challenge **- Frisco, Texas)**   Oct 2021

- Built a functional proof of concept, multiple device accessible dating application leveraging insights obtained by interviewing potential app users Frontend: React.js, Material-UI, Backend: Firebase, Cloud Firestore **(JS)**

Developed official website of the Creativity and Entrepreneurship Program   Jun 2019

- Built brand image website and content management system Frontend: React.js, Material-UI, React Final Form, Apollo Client, lazy loading images Backend: GraphQL, JSON Web Tokens **(JS)**

Long Short-Term Memory Model on Predicting Futures Price   Jan 2019

- Constructed LSTM networks for time series predictive modeling problem on the price of wheat futures and used RFECV (Recursive feature elimination with cross-validation) to perform feature selection (**Python**)

Product Recommendation System   Nov 2018

- Leveraged 2,000+ customer survey responses, performed feature selection using RFECV, and implemented hierarchical customer clustering to provide data-driven recommendations **(Python)**

Predictive Analytics for Agricultural Product Price   Jun 2018

- Analyzed historical price data and price fluctuations, estimated future prices of agricultural products through time series forecasting models **(Holt-Winters and ARIMA in R)**