Emma Chen

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EDUCATION

University of Wisconsin-Madison | Madison, WI   *Jul 2019 - May 2023*
Major GPA: 3.64/4.0, Cumulative GPA: 3.52/4.0

Bachelor of Science, Major in Data Science

Data Programming I, II	Data Modeling I, II	Elementary Matrix & Linear Algebra
Calculus and Analytic Geometry 2	Calculus – Functions of Several Variables	Signals, Information & Computation
Machine Learning and Statistical Pattern Classification		

Certificate in Education and Educational Services

How People Learn	History of American Education	Youth, Education, and Society
Comparative Education	School and Society	Positive Psychology and Well Being
Mind, Brain, and Education		

National Taiwan University | Taipei, Taiwan   *Feb 2021 – Jun 2021*
Study abroad
- Coursework in Computer Architecture, Machine Learning, and Educational Sociology

PROJECT

Predicting the Success of Telemarketing in Subscription of a   *Sep 2021 – Dec 2021*
Term Deposit Using Machine Learning Methods
- Collaborated with three members implementing different algorithms to predict whether a client will subscribe to a term deposit using Python and Scikit-learn.
- With logistic regression as the baseline model, the project compares KNN, Adaboost, Xgboost, Decision Tree, and Random Forest algorithms in terms of accuracy, recall, precision, and F1 scores.

Analysis: the performance of NBA all-star players and NBA players   *Sep 2020 – Dec 2020*
- Collaborated with three members to clean and visualize 5 datasets. By running the Mood's Median Test and null hypothesis test, we analyzed and interpreted indicating features of becoming an all-star player using R.

EXPERIENCE

University of Wisconsin System | Madison, WI
Student Staff   *Sep 2019 – Present*
- Mix, garnish and serve alcoholic and non-alcoholic drinks according to customers' needs and provide services.

ELITE English Language Institute | Taipei, Taiwan
Teaching Assistant   *Jun 2020 – Jul 2020*
- Assist four teachers in preparing materials, supervising group activities, and providing support when needed.
- Provide a healthy and safe learning environment for 36 students and bolster their learning experiences.

LEADERSHIP & INVOLVEMENT

Erudite Books for Taiwan | Taipei, Taiwan   *Oct 2017 – May 2019*
Non-profit organization Co-Founder
- Led weekly meetings of 10 members to organize and plan expeditions to rural elementary schools and libraries.
- Collaborated with officials from three elementary schools and local libraries.
- Worked closely with the marketing team to promote our vision, inspiring the growth of better individuals.

SKILLS & INTERESTS

Programming languages: Python, R, MATLAB
Analytical tools: Jupyter Notebook, SQL
Library/packages: NumPy, Pandas, Tidyverse, Scikit-learn, TensorFlow, BeautifulSoup, ggplot2, selenium, Tableau
Operating system: macOS, Linux
Languages: Mandarin (Fluent), English (Fluent), Japanese (Basic), German (Basic), Taiwanese (Fluent)
Interests: Piano, Ballroom Dancing, Swimming, Traveling