

YU-CHIEH (ELVY) CHEN

ABOUT ME

- La Jolla, CA 92037
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EDUCATION

- University of California, San Diego
- Expected Graduation: March 2021
- Major: Data Science
- Minor: Cognitive Science, Economics
- Major GPA: 3.85/4.0
- Overall GPA: 3.79/4.0
- Award: Provost Honor, 2019

SKILLS

- Technical Skills:
Java | Python | HTML / CSS |
Spark | SQL | PostgreSQL |
AWS | JavaScript | Tableau |
R |
- Languages:
 - Mandarin (Native)
 - English (Fluent)

PROJECT

Face Recognition and Emotional Detection System

<https://github.com/ElvishElvis/Real-time-Face-Detection-Recognition>

- Created local database and pre-store the features for each face for reducing the time consumption
- Extracted facial landmark with Dlib library and applied supervised learning on the facial landmark to predict facial emotion. Achieved highest validation accuracy of 89.43% with logistic regression.

Flight Delay – Machine Learning Analysis

<https://drive.google.com/file/d/1fzAULpbQyEZ21ZVALwhQU3QbnZzAn-DF/view?usp=sharing>

- Used logistic regression, decision tree, KNN, Gradient Boost classifier to predict whether flight will be delayed.

CNN on CIFAR-10 – Image Classification

https://drive.google.com/file/d/1C7GQQejVI6hShTadKZ-64ACzRVq5a-_f/view?usp=sharing

- Performed transfer learning by utilizing two layers of ResNet18, receiving 80.75% accuracy on testing data.

Data Visualization – Suicide Rate

<https://yuc399.github.io/dsc106-final-project/>

- Analyzed the highest suicide rate among different age group between 2005 to 2015
- Performed results by visualizations using HighCharts, JavaScript, HTML/CSS and Python.

EXPERIENCE

Institute of Information Science, Academia Sinica

Taipei, Taiwan

Research Assistant

July - August 2019

- Using KNN models to predict PM2.5 values and monitor air quality
- Using tfidfVectorizer and Multinomial Naïve Bayes Classifier to predict categories of the news, getting F1-score of 0.92
- Scrapping and cleaning 33,000+ documents as the training data for LSTM model to predict news' categories

Halcioğlu Data Science Institute

La Jolla, CA

Data Science Tutor – DSC30, 80 Data Structure / Practice in Data Science

April 2019 – present

- Writing autograder scripts, grading assignments and exams, calculating final grades, and designing assignments.
- Holding tutor hours each week and answering students' questions about class materials

Deloitte Touche Tohmatsu Limited

Taipei, Taiwan

Audit Department Intern

July 2018

- Specialized in audit software, EMS, to update the financial statement
- Audited and analyzed the financial statements of clients and the changes over the quarters

Chinese Engineering Society

La Jolla, CA

Career Development Department Officer

Apr. 2019 – present

- Holding events for students to connect with experienced seniors sharing interview and job techniques
- Planning internal activities to increase connections between members