TE -YUAN (DEBBIE) CHEN

Eligible to permanently work in the U.S. with no restrictions

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OBJECTIVE

Self-motivated data analyst with Python, R and machine learning skills for 5 years+. Seeking to leverage academic knowledge and project experience in a 2020 Data Analyst/Data Scientist Internship.

EDUCATION

The University of Texas at Austin   **Austin, TX**
Master of Science in Information Studies (GPA: 3.9/4.0)   *Sept. 2019 - May 2021*
Relevant Coursework: Crowdsourcing in Computer Vision, Machine Learning, Data Wrangling

National Taiwan University   **Taipei, Taiwan**
Master of Science in Computer-Aided Engineering Group of Civil Engineering   *Sept. 2017 - May 2019*
Relevant Coursework: Data Science for Engineering Applications, Machine Learning, Neural and Behavioral Modeling

National Taiwan University   **Taipei, Taiwan**
Bachelor of Arts in Library and Information Science   *Sept. 2013 - June 2017*
Relevant Coursework: Psychoinformatics and Neuroinformatics, Statistics

PROFESSIONAL EXPERIENCE

Center of Innovation and Synergy for Intelligent Home and Living Technology   **Taipei, Taiwan**
Data Analyst Intern   *June 2017 - Sept. 2018*
- Analyzed data of the TSMC smart building using machine learning for energy saving
- Implemented web crawler (Selenium) to gain the elderly daily activities in the smart home by Python

RELEVANT PROJECTS

Data Analyst (Group Project) | Crowdsourcing for Image Caption   *Sept. 2019 - Dec 2019*
- Collected and analyzed users' data with MTurk API, Node.js, and Python
- Stored website domain on Azure cloud platform

Data Scientist (Group Project) | Natural Language Processing   *Sept. 2017 - Feb 2018*
- Implemented RNN text sentiment classification model to determine if sentence is positive/negative by Keras
- Constructed a sequence-to-sequence model to predict suitable responses for the dialog by Keras

Data Scientist (Individual Project) | Image Recognition   *Sept. 2017 - Feb 2018*
- Built a CNN image sentiment classification model to classify the emotion of image by Keras
- Implemented different feature extraction method and visualized image clustering result

Data Analyst (Group Project) | Comfort District of Taipei city   *July 2016*
- Investigated the comfort index for residents living in Taipei
- Collected all comfort indices data and calculated the best living district of Taipei using R and Shiny

Data Analyst (Group Project) | Correlation of Twitter and Weather   *Sep 2015 - Jan 2016*
- Implemented web crawler to catch the data of Twitter and weather using Python and R
- Determined if Twitter data was positive/negative using LIWC
- Calculated the correlation between weather and Twitter data using R

SKILLS

Data Analysis: Python(Numpy, Pandas, Sklearn, Keras, PyTorch), R(Shiny)
Programming: C++, Java, Python, Unity, Arduino
Web Development: HTML, CSS, JavaScript, Bootstrap, jQuery, React.js, Laravel MVC, Node.js, MySQL
Language: Mandarin(native), Japanese(basic)