Ching-Wen Wang (Jasmine)

Hello, I am a strategic worker who likes to work towards tangible goals and is passionate about utilizing data to enhance people's lives and solve problems.

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Education

Sept 2017 - May 2021

University of Wisconsin-Madison

College of Letters and Science

- B.S Statistics; Certificate in Computer Science
- GPA: 3.8 / 4.0

Skills/Relevant Course Work

Skills: Python, Java, SQL, R, Natural Language Processing, Exploratory Data Analysis, Mandarin, Pytorch

Courses: AI, Machine Learning, Deep Learning, Regression Analysis, Linear Optimization, Stochastic Process, Programming, Time Series Analysis

Work Experiences

Jan 2021 - Present

Undergraduate Research Assistant UW-Madison Skunkworks Informatics

- Modifies ChemDataExtractor, the current state-of-art Natural Language Processing method in Chemistry, to extract glass properties from material science published papers
- Reproduces published literatures' databases and F-score that use ChemDataExtractor in extracting different chemical properties to fully understand ChemDataExtractor

Sept 2019 - Dec 2019

Undergraduate Research Analyst UW-Madison

- Analyzed data to assist Professor Chen in composing a proposal for the United Nation's Voice of the Hungry project organized by the Food and Agriculture Organization
- Scraped data from Gallup World Poll questionnaires and performed exploratory data analysis with R

Sept 2018 - Dec 2018

Undergraduate Lab Financial Assistant UW-Madison Richard A. Anderson Lab

- Maintained and balanced budget of $11, 000 per month and projected future lab expenditures based on past expenditures with lab financial manager using Excel
- Optimized budget management by organizing product orders into spreadsheets and checking on financial status with research scientists during weekly meetings

Projects

Feb 2021 - May 2021

Covid-19 detection from X-ray images Course Final Project UW-Madison

Build models on detecting Covid-19, lung cancer, and heathy lungs from X-ray using deep learning image classification models (CNN) and benchmark models with Logistic Regression.

Sept 2020 - Oct 2020

Classification of Heart Failure Patients UW Data Challenge

Built a model that predicts the dead or alive of heart failure patients given different heart conditions and chronic diseases of patients and won the best oral presentation award.