Andrew Xiao

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Education

University of California, Irvine, Paul Merage School of Business, Irvine, CA   **September 2022**
Master of Science in Business Analytics

University of Texas at Austin, Jackson School of Geosciences, Austin, TX.   **May 2020**
Bachelor of Science in Environmental Science
- Elements of Computing Certificate

Experience

Ingram Micro, Irvine, CA   **January 2022-Present**
Student Data Analyst
Worked with Ingram Micro to create a predictive model for a large data set.
- Accessed and extracted multiple data sets using Amazon Web Services.
- Used Python to clean the data and run various models to find the most accurate model.

University of Texas Institute for Geophysics, Austin, TX   **May 2018-May 2020**
Research Assistant
Worked with senior researchers to digitize, analyze, and present geologic conditions in the Gulf of Mexico to increase sponsor efficiency in locating potential drilling locations.
- Researched potential information on potential oil wells arounds the Gulf of Mexico, leading to expansion in operations towards mainland Mexico.
- Utilized ArcGIS to georeferenced figures given to sponsors to easily navigate through data products in neat packages.

Computational Research in Ice and Oceans Systems, Austin, TX   **May 2018-May 2019**
Research Assistant
Performed analysis on observed data alongside researchers leveraging predicted data to calibrate the ECCO model leading to more accurate climate predictions.
- Interpreted large amounts of data with python. The results gave senior researchers insight into differences between ECCO and observed data.
- Collaborated with post-doctorates by testing analysis tools to give feedback resulting in quicker improvements in workflow.

Projects

IBM Florida Hackathon, Irvine, CA   **Fall 2021**
Created an application that calculated total emissions from farms and a dashboard that visualized the data using IBM Watson.
- Lead the group by delegating tasks to become the only group from UCI to produce a project for the competition.

HackTX, Austin, TX   **Fall 2019**
Won best use of Goldman Sachs' Marquee API through helping the team with converting data between two different programs.
- Led group in analysis and communication of what data was presented and how data was delivered to enhance chances of winning.

Skills: Python, R, Excel, Matlab, data analysis, scientific writing, project design.