

Sikuang Wang

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EDUCATION

Master of Science in Computer Science /Master of Science in Data Analytics and Statistics **St. Louis, MO**
Washington University in St. Louis, McKelvey School of Engineering *Expected Graduation: Dec 2022*

GPA: 3.8/4

Master of Science in Chemical Engineering **St. Louis, MO**
Washington University in St. Louis, McKelvey School of Engineering *2018 - 2020*

GPA: 3.7/4

Bachelor of Science, Chemical Engineering **Salt Lake City, UT**
University of Utah, College of Engineering *2013 - 2018*

• Dean's List

COURSEWORK

Numerical Methods, Stochastic Processes, Machine Learning and Pattern Classification, Data Structure and Algorithm, Optimization, Applied Statistics, Introduction to AI, Detection and Estimation Theory, Object Oriented Software Development.

SKILLS

- **Programming:** C++, Python, Java, JavaScript, C#, R, HTML/CSS, PHP/MySQL
- **Technical:** EC2 AWS, Linux/Apache, AJAX/JSON, Node.Js, Vue.Js
- **Language:** Chinese (Native); English (Proficient)
- **Certificates:** Fundamentals of Engineering in Chemical Engineering

PROJECTS

Washington University in St. Louis, Department of Computer Science **St. Louis, MO**
File Managing System (C++ OOP Project) *Feb 2021-May 2021*

- Designed and programmed a user-friendly interface and command pattern.
- Designed a functional interface that allow client access.
- Using Proxy design pattern to build support for password protected files.
- Provided limited-access interface for visitors.

Washington University in St. Louis, Department of Chemical Engineering **St. Louis, MO**
Graduate Research Assistant (Battery Membrane Research) *Aug 2018-May 2020*

- Designed and performed electrochemical experiment with charged separators in different types of system.
- Processed heterogeneity Lithium image by using Matlab
- Collected, managed, and sorted experimental and analytical data with Matlab and Python.

WORK EXPERIENCE

The Export-Import Bank of China, Shanghai Branch **Shanghai, China**
Business Data Analyst Intern *May 2020-Aug 2020*

- Predicted the currency rate change and credit risk by performing ARIMA method and logistic regression.
- Used Python web scraping tools to collect financial information of target companies and built a database with access friendly setups.
- Conducted multiple SSRS reports by using joins, aggregate functions and nested subqueries to explore counterparties.
- Cooperated with consulting team to prepare financial leasing planning to transportation companies (mainly airlines)

University of Utah, Department of Chemical Engineering **Salt Lake City, UT**
Undergraduate Research Assistant (Wastewater Treatment Project) *Aug 2016-May 2018*

- Read and summarized scientific articles/journals related to the target topics.
- Assisted in students training for elementary lab operations.
- Searched and sorted all information/method related to research topics and highland all useful information/method.

PUBLICATIONS

Performance of Surface Charge Effect at High Concentration (wait for submission)