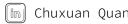
Chuxuan Quan

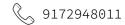
Full Stack Software Engineer | Data Analyst











EXPERIENCE

LIANGLING M&E EQUIPMENT | PROJECT MANAGEMENT INTERN

Oct 2020 - May 2021 | Shanghai, China

- → Performed online research and created 20+ business and technology documents for the BASF Golden Island project.
- → Leveraged excellent communication skills in establishing relations to enable productive project management.
- → Demonstrated an understanding of data administration, databases, data analysis procedures, management functions.
- → Support project execution and control by documenting action items, monitoring budgets, and updating schedules.

SENDO WATER TREATMENT | DATA ANALYST INTERN

May 2020 - Sep 2020 | Changzhou, China

- → Overhauled the calculation for water quality analysis on 10+ metrics collected for 800+ records from the water treatment plant.
- → Optimized the calculation processing time for water quality analysis by 50% using Python.
- → Developed a template for automatic data input and MySQL database to efficiently store historically collected data.
- → Decreased cost by 5% from building a supervised machine learning model to optimize water treatment chemical selection.

PROJECTS

SKIMLIT | NATURAL LANGUAGE PROCESSING

Jan 2022 - Mar 2022

- → Separated the abstract of the papers into background, objective, methods, and results using the NLP model.
- → Trained CNNs and a transfer learning model with pre-trained token, character, and positional embedding on cloud GPU.
- → Increased accuracy to 83.2% using tribrid embedding model compared with 72.2% using baseline TF-IDF model.

GITHUB USER SEARCH | WEB APPLICATION

Dec 2021 - Jan 2022

- → Built a full-stack web application using React, HTML, and CSS to search GitHub users' information with GitHub API.
- → Performed data visualizations with Fusion Charts in analyzing users' repositories, stars, and forks.
- → Implemented Auth0 to communicate with other protected resources by exchanging access tokens for authentication.

FURNITURE ONLINE SHOPPING | WEB APPLICATION

Oct 2021 - Dec 2021

- → Built an e-commerce web application that provides one-stop furniture shopping based on the Course-API.
- → Designed the front-end pages using React and implemented cart, sort items, and checkout functionality.

SKILLS

PROGRAMMING LANGUAGES

Python • SQL • JavaScript • Java • HTML • CSS • R

WEB FRAMES

React • Django • Flask

DATABASE

MongoDB • MySQL • DynomoDB • Redis

CLOUD TECHNOLOGIES

Amazon Web Services (EC2, RDS, Lambda, S3) • Google Cloud

BIG DATA

Apache Hadoop • Apache Spark • Apache Kafka •

DATA ANALYTICS

Pandas • Scikit-Learn • Numpy • TensorFlow • Tableau

EDUCATION

NEW YORK UNIVERSITY

MASTER'S IN MANAGEMENT OF **TECHNOLOGY** Sep 2021 - Present | Brooklyn, NY School of Computing Cum. GPA: 3.9 / 4.0

SOOCHOW UNIVERSITY

BACHELOR'S IN NEW ENERGY MATERIALS AND DEVICES Sep 2016 - Jun 2020 | Suzhou, China School of Computing Cum. GPA: 3.6 / 4.0

CERTIFICATIONS

AWS Certified Cloud Practitioner