Ben Zhong

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WORK EXPERIENCE

Verisk Analytics Data Scientist in Rotation | Remote

LLM   **Feb 2024 – Present**
- Working on LLM applications for document extractions

Entity Resolution   **Feb 2023 – Feb 2024**
- Worked on enhancing the enterprise resolution software.
- Achieved more than **80% reduction** of computation time and cost overhead by proactively and independently optimized a production Spark pipeline. Designed and implemented highly scalable, resilient big data pipelines.
- **Patent pending** quality evaluation metrics for entities: leading to substantial improvements in the entity searching client-facing API.
- Conducted valuable research and development on various banking and financial data sources, presenting compelling analytics to stakeholders to enhance Entity Resolution.

Wood Mackenzie Lens Data Engineering   **Feb 2022 - Feb 2023**
- Designed and implemented NLP fuzzy text matching and clustering solutions.
- Collaborated with the Research team to ETL company Merger & Acquisition data

Summer Intern   **June 2021 - August 2021**
- Built custom NLP data engineering solutions, and researched various ML models for feature selection performance
- Optimized a well cost calculation Spark workflow and **2X** run speed

EOG Resources Production Engineer Intern | San Antonio, TX   **May 2020 - August 2020**
- Developed a ML workflow and compiled Spotfire dashboards with SQL to optimize plunger style choice
- Saved up to $2 million a year in gas injection cost in the Eagle Ford basin operations

UT Austin Undergraduate Research Assistant and Tutor | Austin, TX

Machine Learning Research, Dr. Michael Pyrcz   **August 2020 - December 2021**
- Uncertainty modeling for ensemble learners

Python/Engineering/Advanced Math Courses Tutor   **August 2020 - December 2021**
- Tutoring all major required courses + differential equations/linear algebra 20 hours/week

Rig Automation Performance Improvement in Drilling (RAPID)   **October 2019 - May 2020**
- Computer vision for drill bit dull grading with YoloV3

Well Construction, Decommissioning and Abandonment (CODA Consortium)   **October 2018 - May 2020**

ACCOMPLISHMENTS & SKILLS

- Published paper "***Plunger Style Optimization by Machine Learning***" on OnePetro
- SPE Student Paper Contest Southwestern North America Region **1st** Place; qualified for international competition
- Python and the pydata stack, Spark, SQL, graph network, JS, html, CSS, React
- AWS Cloud Practitioner Certified
- Fluent in English and Chinese; Beginner in Spanish

EDUCATION & CAMPUS INVOLVEMENT

The University of Texas at Austin   **December 2021**
- B.S., Engineering Honors. Full-Ride.   GPA: 3.93 / 4.00

International Association of Drilling Contractors | **Founding Vice Chairman**   **May 2020 - December 2021**