

Zichuan Yao

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Skills

Technical: Python, C, R, Typescript, Next.js, VS, Code, HTML, Linux, Git, Excel, PowerPoint, OneNote

Summary

Data Analysis: Gained experience in analyzing and interpreting data trends during Porton internship.

Data Entry: Developed proficiency in data entry by consistently collecting and organizing 40 EU and US pipeline leads weekly.

Adaptability: Demonstrated flexibility in transitioning from the Faculty of Science to Mathematics, successfully adapting to different learning environments.

Experience

Data Analyst

Porton Pharma Solutions Ltd.

Shanghai, China

May – Aug. 2024

- Utilized various resources and databases to analyze detailed information, complete background checks on global pharmaceutical and biotech companies, and research pipeline transactions to provide comprehensive insights that support informed decision-making regarding potential partnerships or strategic moves.
- Analyzed data about preclinical, clinical, and commercial drug dosages. Compared information on similar drugs, patient numbers, and patient compliance. Participated in predicting the Active Pharmaceutical Ingredients (APIs) dosage for unmarketed drugs, which aids in forecasting dosage requirements and helps make decisions about orders with the drug developer.
- Analyzed the history and use of related drugs research for GLP-1 target. Conducted research and created a PowerPoint that uncovered the reasons behind GLP-1's popularity. Provided a market prediction based on this comprehensive analysis.
- Facilitated weekly data collection and entry of raw leads into Excel, and ensured accurate and timely data entry for effective lead management and follow-up processes.
- Oversaw material preparation, and coordinated booth layout and conference room schedules for the CPHI Global exhibition, significantly contributing to the successful organization and presentation of the company's offerings, and enhancing visibility and event engagement.

Data Analyst

Shenglan Semiconductor

Shanghai, China

Jan – Apr. 2025

- Compare ellipsometry and stress data of bare wafers to evaluate and quantify sample uniformity throughout the process.
- Responsible for collecting and analyzing corresponding XRD and SEM data to determine crystal growth orientation and microstructural characteristics.
- Test the piezoelectric effect of cantilever structures and statistically assess the uniformity of piezoelectric performance across different regions.
- Participated in compiling a detailed piezoelectric testing operation manual to standardize experimental procedures and parameter settings, ensuring consistency and reproducibility of the testing process.

Project

Personal Web:

An introductory web of my personal information created by Next.js using Typescript and shadcn. Deployed through Vercel.

Education

University of Waterloo

Bachelor of Honours Mathematics, Co-operative Education

Waterloo, ON

Sept. 2024 to May 2028