ZICHUAN YAO

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SKILLS

Technical: Python, C, Typescript, R, LaTeX, VS Code, NextJS, Linux, GitHub, Git, Excel, PowerPoint

Soft: Bilingual (English and Chinese), Teamwork and Collaboration, Patience, Adaptability, Strong Work Ethic

SUMMARY

Detail-oriented Data Analyst with hands-on experience in pharmaceutical and semiconductor industries.

- Managing end-to-end data workflows (collection, analysis, reporting) for 40+ weekly EU/US pipeline leads.
- Supporting strategic decisions through market trend analysis (e.g., GLP-1 target research) and performance evaluation.
- Coordinating cross-functional projects (e.g., exhibition logistics) and adapting to interdisciplinary challenges (Science to Mathematics transition).

PROJECTS

Personal Webs ⧉ | Typescript, HTML, NextJS, Shadcn, Magic UI   **May. 2025**

- A responsive portfolio website that showcases my work, includes a project gallery, and features contact info.
- Website address

WORK EXPERIENCE

Porton Pharma Solutions Ltd. ⧉   **May – Aug. 2024**
Data Analyst   *Shanghai, China*

- ∗ **Conducted comprehensive analysis** of global pharmaceutical and biotech companies via multi-source databases, completing background checks and pipeline transaction research to inform partnership and strategic decisions.
- ∗ **Analyzed preclinical, clinical, and commercial drug dosage data**, comparing similar drugs, patient numbers, and compliance metrics. Participated in forecasting API dosages for unmarketed drugs to support procurement planning with developers.
- ∗ **Researched the GLP-1 target drug landscape**, creating a PowerPoint report to identify drivers of its popularity and provide market growth projections.
- ∗ Managed weekly collection and entry of raw leads into Excel, ensuring accurate and timely data for **lead management and follow-up**.
- ∗ **Coordinated CPHI Global Exhibition logistics**, including material preparation, booth layout, and conference room scheduling, contributing to successful event execution and enhanced company visibility.

Shenglan Semiconductor ⧉   **Jan – Apr. 2025**
Data Analyst   *Shanghai, China*

- ∗ **Semiconductor Process Analysis**: Evaluated bare wafer uniformity by comparing ellipsometry and stress data across process batches, quantifying sample consistency.
- ∗ **Material Characterization**: Collected and analyzed XRD and SEM data to determine crystal growth orientation and microstructural characteristics of semiconductor materials.
- ∗ **Experimental Design & Testing**: Tested the piezoelectric effect of cantilever structures and statistically assessed regional uniformity of piezoelectric performance.
- ∗ **Process Standardization**: Participated in developing a detailed piezoelectric testing operation manual to standardize procedures and parameter settings for consistent, reproducible results.

EDUCATION

University of Waterloo   **Sept. 2024 to May. 2028**
Bachelor of Honours Mathematics, Co-operative Education   *Waterloo, ON*