ZICHUAN YAO

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SKILLS

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

PROJECTS

<u>**Personal Webs**</u> ⧉ | 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*

∗ 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.

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∗ **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 helps to predict dosage requirements and helps to 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.

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

- 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** through **OneNote** 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 areas.

- Participated in **compiling a detailed piezoelectric testing operation manual** to standardize experimental procedures and parameter settings, ensuring consistency and reproducibility of the testing process.

EDUCATION

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