Haoyang Shi

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Education

University of Calgary **Calgary AB**
Bachelor of Science
- Major in **Computer Science** and minor in **Data Science**
- Relevant coursework: Operating Systems, Computer Networks, Data Structures, Computer Security, Database System, Theory of Computer Science, Data science, Communication…

Projects

- **Portfolio:** https://4everyang.com

Experiences

Suncor Energy Canada
Front-End Developer Intern May 2024 – Sep 2024

- Developed core components—including forms, data dashboards, and scheduling views—for internal employee portals using React and TypeScript.

- Implemented a unified data-fetching and caching strategy with React Query, adding optimistic updates for attendance workflows to deliver instant UI feedback with automatic rollback on failures.

- Improved module responsiveness by ~20% through lazy loading, memoization (useMemo/useCallback), request deduplication, and cache invalidation controls, reducing unnecessary rendering and network overhead.

- Contributed to technical documentation and participated in code reviews, gaining solid experience with enterprise-level Git branching, requirement discussions, and release processes.

Leadership & Activity

CGSA Developer Team(Chinese Graduate Students' Association Official Website)
- Contributed to the ongoing development of the CGSA website by adding new features and optimizing the user experience using **React, Next.js, and MySQL.** Actively participated in team efforts to maintain and expand website functionalities.

natHACKS Volunteer November 14-17, 2024
- Provided technical support for hardware including Raspberry Pi, Arduino, and NeuroStimduino, resolving hardware issues during the event.

Soft Skills

Collaboration: Demonstrated excellence in teamwork, adaptability, and communication, driving team success.
Active Learning: Passionate about staying ahead of the tech curve, continuously learning new **AI tools** and maintaining **a tech blog** to document my progress and share thoughts with the community.

Incomplete Version:) Under development…