JIALIANG YAN

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RESEARCH INTERESTS

Usable Privacy and Security, Human-Computer Interaction

EDUCATION

University of Alberta, Canada   Sep 2023 - Jun 2025 (Expected)
Bachelor of Science Honors in Computing Science   **GPA: 4.0/4.0**
Related Courses: Topics in Usable Privacy, Security in a Networked World

Sichuan University, China   Sep 2020 - Jul 2023
Bachelor of Laws   **Transferred out**

RESEARCH EXPERIENCE

PUPS Lab   Jan 2024 - Present
Supervisor: Dr. Bailey Kacsmar   *Edmonton, AB*

- Leading a usable privacy project: *When Privacy Notices Matters: Investigating the Impact of Timing on the Salience of Smartphone App Privacy Notices*
- Developing an iPhone simulation website using React to gather user feedback.
- Developed the research idea, formulated the research question through a preliminary literature review, and designed the study protocol and questionnaires for conducting an online experiment.

EdTeKLA Research Group   Sep 2023 - Dec 2023
Supervisor: Dr. Carrie Demmans Epp   *Edmonton, AB*

- Conducted data collection and performing data analysis using Python and R, applying statistical models such as two-way Analysis of Variance (ANOVA).
- Enhanced a flight simulation application by implementing features for storing user data into CSV files and controlling feedback condition sequences based on a custom-designed Latin Square, utilizing Python.
- Carried out a preliminary literature review and wrote the method section of the paper.

University Innovation and Entrepreneurship Project   Sep 2021 - Sep 2022
Supervisor: Dr. Jimin Xu   *Chengdu, China*

- Employed web scraping to gather data on China's "Double Reduction" policy across provinces, followed by word frequency analysis and word cloud visualization to identify key themes and variations in policy implementation.
- Conducted structured interviews with policy stakeholders to gather viewpoints on the "Double Reduction" policy and off-campus educational institutions.

PROFESSIONAL EXPERIENCE

Frontend Software Engineer   Apr 2023 - Jul 2023
Baicizhan   *Chengdu, China*

- Contributed to the development of Baicizhan App's C-end and B-end platforms, a popular language learning application with tens of millions of users in China.
- Implemented frontend features using React and Redux, covering essential functionalities such as building a product page displayed by category with GPU acceleration to eliminate screen flickering for a seamless user experience.
- Collaborated with a cross-functional agile development team, following agile methodologies to deliver high-quality features and enhancements.

HONORS AND AWARDS

URI Undergraduate Researcher Stipend, University of Alberta, $7500   Summer 2024
Outstanding Achievement in Science Scholarship, ISSS, $750   Apr 2024
National Innovation and Entrepreneurship Funding, Sichuan University   2021 - 2022
Law School Outstanding Volunteer, Sichuan University,   2020 - 2021

VOLUNTEER

Project Developer   Sep 2023 - Dec 2023
UofA Blueprint   *Edmonton, Canada*

- Implemented new features for UofA Blueprint's internal tools as a full stack web developer, utilizing React, Node, and Firebase.

Member   Sep 2020 - Sep 2021
Sichuan University Legal Aid Center   *Chengdu, China*

- Assisted in drafting and translating legal documents under the guidance of senior law students.
- Collaborated with other members of the center to organize legal awareness campaigns and workshops aimed at educating the public about their rights and responsibilities.
- Served as a bridge between the center and external communities, facilitating partnerships for mutual benefit.

SKILLS

Frameworks & Libraries   React, Node.js, Express, Spring Boot, P5.js, Ant Design, Bootstrap
Tools   Git, Figma, MongoDB, RESTful API, Firebase, AWS
Programming Languages   JavaScript, Typescript, C, LaTeX, Python, HTML/CSS, Java, Swift
Spoken Languages   English (advance), Chinese (native)