
ZHANG KE (COCO) JIANG

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EDUCATION

Master of Public Health, University of British Columbia – Vancouver, Canada

- CGPA: 90%

Honours Bachelor of Science, University of Toronto – Toronto, Canada

Double Major in Cell Biology & Molecular Genetics | **Minor** in Computer Science

- CGPA: 3.95/4.00
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CERTIFICATIONS

- **TCPS 2: CORE-2022 (Course on Research Ethics) Certificate** | Government of Canada | 2021
 - **Good Clinical Practice (GCP) – Canada (Basic Course) Certificate** | CITI Program | 2021
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RELEVANT EXPERIENCE

Independent Project Lead & Developer

AutoAbstract — AI Clinical Data Abstraction Tool | 12/2025

<https://auto-abstract.pages.dev/>

- Designed and developed an AI-powered tool that organizes unstructured clinical notes into structured, machine-readable data
- Reduced manual workload, streamlined data abstraction, and supported scalable review, analysis, and quality improvement

Independent Project Lead & Developer

Health Information Simplifier — AI Health Communication Tool | 11/2025

<https://health-info-simplifier.pages.dev/>

- Designed and developed a web application that rewrites complex health information into clear and accessible language
- Implemented Flesch-based readability scoring, AI-powered simplification and translation

Research Analyst | 01/2025 – 09/2025

BC Centre for Disease Control – Vancouver, Canada

- Integrated genomic, animal, and environmental datasets using machine learning and GIS to develop a geospatial risk map for H5N1
- Developed and documented analysis pipelines using GitHub and Markdown to enhance reproducibility, shareability, and collaboration

Senior Section Editor, Academic Research | Volunteer | 05/2024 – 10/2025

Junior Section Editor, Academic Research | Volunteer | 09/2023 – 05/2024

UBC Medical Journal – Vancouver, Canada

- Led the editorial review process for health and medical research articles, providing detailed feedback on content quality, structure, and adherence to publication guidelines, ensuring rigorous academic standards
- Mentored junior editors and collaborated with authors and peer reviewers to improve manuscript clarity, accuracy, and readability

Genomic Epidemiology Intern | 05/2024 - 08/2024

BC Centre for Disease Control – Vancouver, Canada

- Analyzed genomic and epidemiological data using R to support the surveillance of mpox transmission in British Columbia
- Engaged with internal and external stakeholders to create knowledge translation materials including situational reports and manuscript

EDI Researcher Assistant | Volunteer | 11/2023 – 06/2024

UBC Faculty of Medicine, Radiology – Vancouver, Canada

- Contributed to numerous projects within the field of Radiology, including health disparities and EDI (equity, diversity, & inclusion)
- Conducted literature reviews, data collection & analysis, and manuscript preparation

Communications Coordinator | 12/2021 – 09/2025

Al & Malka Green Artists' Health Centre – Toronto, Canada

- Developed engaging and impactful content for diverse digital marketing platforms, strengthening the Centre's online presence and effectively reaching 10K audience yearly and raising awareness about artists' health
- Led outreach efforts with local and national arts and health organizations to enhance visibility and build stronger cross-sector relationships

Research Assistant | 06/2023 – 05/2024

BC Children's Hospital Research Institute – Vancouver, Canada

- Supported research in pediatric and reproductive mental health by assisting with study tasks, data collection, and protocol adherence
- Reviewed medical charts from the pediatric psychiatry and reproductive mental health departments collect comprehensive clinical data on mental health diagnoses

Research Assistant | Volunteer | 12/2021 – 09/2023

Al & Malka Green Artists' Health Centre – Toronto, Canada

- Performed quantitative analysis on patients' satisfaction with virtual physiotherapy during the COVID-19 pandemic; results were presented in the 40th PAMA International Symposium and published in *Physiotherapy Research International* (1st author)
- Conducted qualitative analysis to gain insights into overall impact of pandemic on artists' mental well-being; results were presented in the 41st PAMA International Symposium and published in *PLOS ONE* (3rd author)

Optometrist Assistant | 09/2021 – 05/2022

Dr. Lin Wang Optometrist Office – Toronto, Canada

- Generated bilingual reports in English and Mandarin and translated optometric information for patient accessibility
- Managed patient appointments and communications, performed preliminary vision tests, and oversaw administrative tasks to ensure smooth clinic operations

Research Assistant | Volunteer | 09/2021 – 04/2022

St. Michael's Hospital – Toronto, Canada

- Supported research for the Canadian Hospitals Injury Reporting and Prevention Program by reviewing emergency department charts and compiling data on injuries and poisonings
- Synthesized findings from patient cases and literature to inform team discussions and project trajectory

Research Assistant | 09/2021 – 04/2022

University of Toronto – Toronto, Canada

- Developed interactive web-based genomic tools using JavaScript to support plant informatics research for the Provart Lab
- Assisted with system requirements, design planning, and technical implementation to ensure accurate integration of genome and proteome data

EXTRACURRICULAR & VOLUNTEER EXPERIENCE

Scheduling Supervisor | Volunteer | 06/2021 – 0/2025

Shelter Movers – Vancouver, Canada

- Supervised and trained scheduling coordinators and worked with the operations manager to ensure timely volunteer recruitment
- Coordinated recruitment for move teams and maintained communication with 200+ volunteers

Co-founder | 10/2021 – 07/2023

Volunteers Connect – Vancouver, Canada

- Founded and grew the club to 100+ members in a year, connecting students with non-profits through events and workshops
- Provided leadership and operational oversight to directors and committee members

PUBLICATIONS

Jiang, C., de Youngster, S., Hawkins, V., & Li, S.-A. (2024). Artists' satisfaction with telerehabilitation in physiotherapy during the COVID-19 pandemic: A cross-sectional study. *Physiotherapy Research International*, e70002.

<https://doi.org/10.1002/pri.70002>

Li, S.-A., Stevens, C., Jiang, C. (2024). The impact of the COVID-19 pandemic on Canadian performing artists' health and healthcare access: An interpretive descriptive study using the social-ecological model. *PLOS ONE*, 19(9).

<https://doi.org/10.1371/journal.pone.0310369>

SKILLS

- **Technical Proficiencies:** R, Python, GIS, REDCap, NVivo, Java, JavaScript, Microsoft Office Suite, SQL, & SAS
- **Professional Skills:** Quantitative & Qualitative Research, Database Management, Marketing, Programming, Genetics, & Bioinformatics
- **Language:** Bilingual Proficiency in English & Mandarin; Novice Proficiency in French & Japanese