



Jack Hu

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Education

Sauder School of Business, University of British Columbia

Bachelor of Commerce, 4th Year

Completion: May 2023

- Combined Major in Business and Computer Science
- Dean's Honour Roll

Experience

BC Children's Hospital Research Institute

Project Assistant

January 2022 - present

- Performed data transformations and cleaning for over 26,000 private medical records using R, contributing to research on predictive variables of femoral nerve palsy in children with developmental dysplasia of the hip.
- Created a heat map in Excel which visualized the progress made by hospital staff in transitioning to a new information system.
- Gathered patient feedback and presented the data in graphical format, helping to communicate achievements and areas for improvement to the surgical teams.
- In a team of three led by an orthopaedic surgeon, authored a research paper which systematically reviews existing medical literature on clinical care guidelines for pediatric musculoskeletal infections, aiming to improve access to crucial MRI scans.

University of British Columbia

Research Assistant

May 2021 - December 2021

- Communicated experiment findings by transforming datasets with over 3,000,000 transaction records and creating data visualizations using R and ggplot.
- Analyzed data by writing R scripts which executed statistical models and methods such as synthetic control analysis and Lasso regression.
- Assisted in writing two research papers studying technology's effects on business.
- Contributed to the creation of an educational project management simulation game.

Sheraton Vancouver Wall Centre

Banquet Porter

July 2018 - July 2019

- Coordinated with a team of porters and servers and followed instructions meticulously to prepare elegant event spaces for large banquets and conferences.

BOTEC Medical Innovation

Intern

May 2016

- Helped to identify real life issues in the manufacturing process by collecting data and analyzing it for outliers.

Volunteer

CityReach Care Society

Food Bank Worker

January 2022 - present

- Devoted four hours each week to sorting, packing, and distributing up to 500 bags of groceries rescued from supermarkets to low-income families.

Extracurricular

UBC Table Tennis Club

President

May 2021 - April 2022

- Managed a team of 12 student officers to run nine hours of table tennis sessions each week for over 100 paying members by planning, delegating, and coordinating tasks.

UBC Table Tennis Club

Treasurer

May 2019 - April 2021

- Wrote and presented an annual budget plan to ensure sustainable financial standing.
- Hosted two tournaments with over 100 competitors and arranged sponsorships from local businesses which funded expenses.

Technical Projects

UBC Table Tennis Club Ranking System

Personal Project

March 2022 - present

- Built a full stack web application using PostgreSQL, Node.js, and React JS to record table tennis matches in a database, calculate a skill ranking of competing players, and query the database for fun statistics.

Restaurant Management System

Academic Project

September 2020 - December 2020

- In a team of three, built a relational database using SQL and Java which modeled a restaurant's inventory system and allowed users query the data to answer useful questions for business and management.

UBC Table Tennis Club Website

Extracurricular Project

June 2020 - August 2020

- In a team of five, helped to setup web structures and design webpages using HTML and JavaScript, improving the club's outreach and attracting new members to join.

Digital Synthesizer

Personal Project

July 2019

- Created a digital audio synthesizer software instrument with custom controls in Java.

Skills

Technical: R, SQL, Python, Tableau, JavaScript, Java, C++, HTML, Git

Microsoft Office: Word, Excel, PowerPoint, Access, Power BI, OneDrive