

# Rory Kelly

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## WORK EXPERIENCE

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### Lifebooster

May 2022 – Dec 2022

*Software Engineer Co-op*

*Vancouver, BC*

- Integral contributor to the Senz Team, developing software for wearable technology to prevent workplace injury by identifying ergonomic and environmental risks
- Proficiently handled all aspects of microservice development, including the server framework, data persistence with Redis and CosmosDB, and API endpoints with Express
- Created user-friendly front-end components using Vue
- Pioneered new testing efforts with Jest and Cypress, significantly increasing test coverage across the code base

### Copperleaf

Sep 2021 – May 2022

*Software Developer Co-op*

*Vancouver, BC*

- Key member of the Value Framework Development Team, utilizing C# to optimize clients' risk mitigation through mathematical models
- Proficiently wrote SQL scripts for database repair, migration, and manipulation
- Strengthened communication skills while working in an agile environment for a geographically diverse team

## PROJECTS

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### Drop-in Sports Finder

May 2023 – Aug 2023

- Built a React and Node-based Web App facilitating user input and recommending suitable sporting games
- Devised an innovative algorithm that matches users to sport sessions based on user and session data, additionally connecting those with extra equipment to those in need
- Utilized MongoDB to efficiently store user and session data

### User Based Game Recommendation System

Jan 2021 – June 2021

- Developed a Java application for personalized game recommendations using a comprehensive algorithm that utilizes a graph of games with edge weights based on data sourced from the full user base
- Implemented an Oracle database with JDBC to store and analyze crowd-sourced data

## EDUCATION

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### University of British Columbia

August 2023

*BS, Computer Science, Minor Statistics*

*Vancouver, BC*

- Graduated with Distinction, 3.84/4.0 GPA, and with Awards including Science Scholar and Dean's List
- Coursework includes Software Engineering (A), Advanced Algorithms (A-), ML (A), OS (A+), Databases (A)
- UBC Snowbots Software Co-Lead (Sep 2020 – May 2022)
- UBC CS Research with Professor Meghan Allen, Publishing Paper + UBC URO Research Assistant

## SKILLS & INTERESTS

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- **Languages:** JavaScript, TypeScript, Python, Java, C#, C++, C
- **Tech:** React, Vue, Node, Azure, AWS, Docker, MATLAB, R, Jenkins, NuGet, JIRA
- **Databases:** Oracle, JDBC, SQL, NoSQL, CosmosDB, Redis, MongoDB
- **Interests:** Football, Hockey, DnD, LotR, Board Games, Landscaping, Cooking