

# Jacob Wilkinson

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## EDUCATION

### Wilfrid Laurier University

*Honours Bachelor of Science in Computer Science, Minor in Mathematics*

Waterloo, ON

*Sept. 2022 – present*

## PROJECT EXPERIENCE

### Exchange App | *JavaScript, Express.js, React Native, MySQL, Cloudinary*

Hack Canada, February 2025

- Developed a full-stack mobile application facilitating community exchanges, enabling users to create profiles, manage bio information, and send messages
- Implemented secure user authentication and profile management features, including dynamic bio editing and profile picture uploads via Cloudinary
- Configured a MySQL database to store user details, with the application storing only Cloudinary image URLs to reduce storage overhead
- Integrated Expo's ImagePicker and Cloudinary's API to allow seamless media uploads and display in a responsive React Native interface
- Ensured robust backend support with Express.js, handling RESTful API endpoints for user updates and data retrieval

### Pokemon Battle Simulator | *JavaScript, HTML, CSS*

October 2024

- Developed a turn-based battle system with JavaScript, calculating damage and implementing stat modifiers
- Integrated CSS animations for attack effects, health bar transitions, and dynamic UI feedback to enhance player immersion
- Designed a responsive interface with real-time stat tracking and turn queues, simulating authentic Pokémon gameplay mechanics

## ADDITIONAL EXPERIENCE

### Co-Founder, President

October 2024 – Present

*Laurier Korean Students' Association*

*Waterloo, ON*

- Founded the Korean Students' Association, managing and growing a team of over 25 students
- Oversaw all operations, including event planning, budgeting, marketing, and member engagement, ensuring the club's continued growth and success
- Organized and executed large-scale events and cultural activities, increasing student participation and fostering a sense of community
- Developed and managed the club's annual budget, allocating resources efficiently and maintaining financial transparency
- Represented the club at university events, meetings, and conferences, advocating for student interests and promoting the club's mission

## WORK EXPERIENCE

### E-commerce Associate

October 2023 – Present

*Pro Hockey Life*

*Kitchener, ON*

- \* Streamlined inventory tracking processes using management systems, ensuring accurate accounts of stock
- \* Collaborated with e-commerce teams to optimize order fulfillment workflows, reducing processing time
- \* Troubleshooted and resolved discrepancies between digital orders and physical inventory, ensuring seamless synchronization in e-commerce systems

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, Java, SQL(MySQL), HTML/CSS

**Frameworks:** React, Express.js

**Developer Tools:** Git, VS Code, Visual Studio, Eclipse

**Libraries:** TensorFlow.js, NumPy, Pandas, Scikit, Matplotlib