

# Christopher Matheson

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601-168 King St North, Waterloo, Ontario, N2J 0B8

## SKILLS

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**Languages & Frameworks:** Assembly (Arm v7), C, Django, FastAPI, HTML/CSS/, Java, JavaScript, Lua, Next.js, Node.js, Python, R, ReactJS, SQL, TypeScript, VBA

**Technologies:** Eclipse, Excel, Firebase, Git/GitHub, HuggingFace, MongoDB, MySQL, VSCode, JetBrains

**Certifications:** Java Foundations Junior Associate

## EDUCATION

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**Wilfrid Laurier University**, Waterloo, Ontario 2022 - Present  
*Honours Bachelor of Science in Computer Science and Psychology, Co-op Program (GPA: 10.04/12.0)*

## EXPERIENCE

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**Wilfrid Laurier University**, Waterloo, Ontario September 2023 - Present  
**Instructional Assistant**

- Collaborated with other IA's to execute the labs for Intro to Python, Data Structures I, Intro to Object-oriented Programming, Digital Electronics, Intro to Microprocessor's and Windows App Programming, for an average attendance of 30-60 students per lab.
- Guided students of diverse backgrounds in developing problem-solving skills, aiding them in approaching and solving problems with different data structures.
- Analyzed over 200 students' code and graded their lab submissions accurately, adhering to the grading scheme and providing constructive feedback by demonstrating a detail-oriented approach and proficient debugging skills.

**Wilfrid Laurier University Student's Union**, Waterloo, Ontario September 2022 - April 2024  
**Logistics and Operations Executive**


- Collected over 50 availabilities each week to create a weekly schedule and ensured accuracy using data validation within Excel spreadsheets. .
- Used automation tools within Outlook to create reminder emails to ensure everyone was up to date.

**Wendy's** , London, Ontario August 2019 - August 2023  
**Crew**

- Provided exceptional customer service by efficiently processing transactions, managing cash registers, and addressing customer inquiries with professionalism.
- Operated point-of-sale systems with accuracy, ensuring smooth daily operations and minimal transaction errors.
- Coordinated with team members to maintain a fast-paced workflow during peak hours while upholding company quality standards.

## PROJECTS

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**Study Motivation Web App**  | *TypeScript, ReactJS, Next.js, HTML/CSS, Python, Django* August 2024

- Led a team to develop a responsive web application using Next.js and TypeScript, focusing on creating a seamless user experience with efficient state management.
- Implemented RESTful APIs using Python and Django to manage backend services, ensuring secure and scalable data interactions between the frontend and backend.
- Integrated a Firebase database to enable real-time data storage and synchronization, optimizing the application's data handling and retrieval processes.

**Student Database Grade and Report Application**  | *VBA, SQL* March 2024

- Developed an app using VBA and SQL in Excel, plotting students' data using Excel graphs and Pivot Tables and generating reports.
- Used SQL to query relevant information from a relational database of over 3000 data records, helping analyze and identify trends among data.
- Utilized User forms and modular programming to design a user friendly UI for displaying requested data.