# Kayden Chung

✉ *kayden@uoguelph.ca*   🌐 *kaydenchung.com*   in *linkedin.com/in/kaydenchung*   ⌂ *github.com/KaydenChung*

## Technical Skills

**Programming**
- **Python**: Scripting/Automation, Data Manipulation, Data Analysis, Visualization, Web Scraping, File Handling
- **C**: Data Structures/Algorithms, Memory Management, Concurrency, Error Handling, File I/O, Compiler Design
- **Java**: Object-Oriented Programming, JUnit Testing, JSwing GUI Development, File Handling
- **HTML, CSS, Javascript**: Responsive Design, Event Handling, Cross-Browser Compatibility, SEO Optimization
- **React**: Component-Based Development, State Management, Hooks, Routing
- **SQL**: Database Design, Database Management, Data Manipulation, Querying
- **Git**: Version Control, Branching, Merging, Pull Requests, Conflict Resolution, Continuous Integration

## Education

**Bachelor of Computing Honours, Software Engineering Co-op, Business Minor**　　　　Sep 2022 - Present
*University of Guelph*　　　　*Guelph, Ontario*
- **3.7/4.0 GPA** - College of Engineering and Physical Sciences Dean's Honours List
- **Relevant Coursework:** Software Design, Data Structures, Object Oriented Programming, Analysis of Algorithms, Operating Systems, Software Systems Development and Integration, System Analysis and Design in Applications

## Projects

**Full Stack List Manager Web App** | *React.js, Google Firebase, HTML, CSS, Javascript*　　　*https://kaydenslists.com/*
- Developed a List Manager Web App using **React**'s component-based design to create a dynamic user interface.
- Seamlessly integrated **Google Firebase** for secure **user authentication** and **real-time database** synchronization.

**Online Route Optimization Tool** | *Python, Flask, HTML, CSS, Javascript*　　　*https://recyclingrouter.onrender.com/*
- Worked with a **real-world client** to build a **route optimization** tool to improve logistics and operational efficiency.
- Deployed a **Flask** web application featuring KMeans **address clustering**, an **interactive map**, and **SMS notifications**.

## Work Experience

**Student Engineering Coordinator**　　　　May 2025 – Aug 2025
*AtkinsRéalis*　　　　*Whitby, Ontario*
- Developed tracking tools in **Excel and Python** to monitor deliverable statuses and deadlines for project milestones.
- Regularly **communicated** with engineering teams and **stakeholders** such as OPG to align on technical objectives.

**Support Analyst**　　　　Sep 2024 – April 2025
*University of Guelph*　　　　*Guelph, Ontario*
- Performed **system configuration** to streamline ethics applications, ensuring compliance with institutional standards.
- Ensured the accuracy and functionality of system changes through **comprehensive testing** prior to deployment.

**Research Assistant**　　　　Jun 2024 – Aug 2024
*University of Guelph*　　　　*Guelph, Ontario*
- Collaborated with an **interdisciplinary team** of collaborators on the Manufactured Ecosystems research project.
- Provided innovative technical solutions in **website development, task automation, and project management**.

**3D Landscape Designer**　　　　May 2023 – May 2024
*Thompson Brothers Contracting*　　　　*Whitby, Ontario*
- Utilized **3D design software** to produce realistic landscape renders, enhancing project proposals and approval rates.
- **Consulted with clients** to understand their vision and translated it into comprehensive plans for the execution team.

**Technology Sales Associate**　　　　Jul 2020 – Aug 2022
*Staples Canada*　　　　*Whitby, Ontario*
- Explained **technical specifications** and offered product recommendations to assist customers in making decisions.
- Collaborated with associates and other departments to **address client inquiries** and provide seamless experiences.