Kayden Chung

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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

Project Management

- **Git**: Version Control, Branching, Merging, Pull Requests, Conflict Resolution, Continuous Integration
- **Agile**: Iterative Development, Continuous Improvement, Scrum Framework, User Stories, Daily Stand-Ups
- **Trello/Jira**: Task Tracking, Sprint Planning, Backlog Management, Team Collaboration, Integrations

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, Operating Systems, Software Systems Development and Integration

Projects

Full Stack Todo List Web App | *HTML, CSS, Javascript, React.js, Google Firebase*   https://todo-list.tech/

- Developed a Todo List Web App using **React**'s component-based architecture to create a dynamic user interface.
- Seamlessly integrated **Google Firebase** for secure **user authentication** and **real-time database** synchronization.

Online Article Analyzing Tool | *Python, Flask, HTML, CSS*   https://articleanalyzer.pythonanywhere.com/

- Created an advanced script using **Python** to analyze articles and extract information related to specific keywords.
- Utilized **Flask** for web application handling and deployed the tool with **PythonAnywhere**'s hosting service.

Baby Name Data Analysis Tool | *Python, Pandas, Matplotlib, Data Analysis*

- Collaborated with a team to develop a **Python** program that processed baby name data using the **Pandas** library.
- **Filtered and analyzed** this data to visualize it in customizable graphs/charts using the **Matplotlib** library.

Work Experience

Research Assistant   Jun 2024 – Present
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 – Present
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.