

# JUSTIN CHOW

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## Technical Skills

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**Languages:** Python, Java, JavaScript, Typescript, SQL, HTML, HTML5, CSS

**Libraries/Frameworks:** React, Tailwind CSS, Flask, Node.js, Git, Pygame, MySQL, Textblob, Beautiful Soup

**Developer Tools:** AWS, Visual Studio Code, Eclipse, Figma

## Experience

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### Western Artificial Intelligence (WAI)

September 2024 – Present

*Web Developer*

*London, Ontario*

- Designed and deployed the website for the Western Artificial Club, featuring a dedicated members' board panel for executives and VPs, using **React.js**, **JavaScript**, **HTML**, and **CSS**.
- Developed a user registration system to track signups, sponsors, and participants for the upcoming DataQuest 2025 Hackathon, ensuring efficient user management and engagement.

### UNITEC Engineering

June 2024 – August 2024

*Software Engineer Intern*

*Oakville, Ontario*

- Utilized **Autodesk Inventor iLogic** to develop and automate custom design rules and scripts
- Increased project workflows by **50%** by designing reusable application components and enhance user-interface
- Maintained and updated iLogic rules for product specifications and design changes.
- Optimized existing Inventor workflows by developing user-friendly iLogic interfaces for non-technical stakeholders.

## Projects

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### 🔗 Feeltr - Sentiment Search Engine | *Python, Javascript, HTML, CSS, Flask*

January 2025 – Present

- Developed a search engine using **Python Flask** that employs sentiment analysis to assess the reliability of websites.
- Implemented **Google Custom Search JSON API** to fetch search results, using **BeautifulSoup 4** to parse and extract relevant data for analysis.
- Integrated Python library **TextBlob** for sentiment and subjectivity analysis, ranking results based on emotional neutrality, positivity, and reliability.
- Built frontend with **JavaScript**, **HTML**, and **CSS** to enhance user-experience and built filter by sentiment/subjectivity feature.

### 🔗 Task Manager Web App | *React, Javascript, Typescript, Tailwind CSS, Vite, Node.js*

December 2024 – Present

- Developed a user-friendly drag-and-drop task manager using **TypeScript**, **React**, and **Tailwind CSS**, with functionality to organize tasks by status and priority.
- Implemented **onClick**, **onDrag**, and **useState** hooks for real-time updates, status changes, and hover effects for task cards
- Set up and utilized **JSON Server** for API endpoints, enabling **data persistence** with GET, POST, and PUT requests

### 🔗 Personal Portfolio Website | *Javascript, CSS, HTML, Git*

September 2024 – Present

- Designed and developed a fully responsive website using **HTML**, **CSS**, and **JavaScript**, ensuring compatibility across desktop and mobile devices.
- Implemented interactive features, including a contact form, typing text animations, and a streamlined navigation menu, enhancing user engagement.
- Optimized site structure and performance, focusing on accessibility and usability for an enhanced user experience.

### 🔗 NBA Statistics Database Application | *Python, Pygame, Git*

June 2023 – Present

- Developed a **Python** application enabling users to add, modify, view, and delete NBA player statistics efficiently.
- Utilized the **Pygame** library to create an interactive interface for visualizing player stats, enhancing data accessibility and engagement.
- Designed a user-friendly interface with intuitive navigation, ensuring an accessible and streamlined user experience.

## Education

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### Western University

Expected Graduation – June 2029

*Honours Bachelor's Computer Science*

*London, Ontario*