Justin Wong

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EDUCATION

University of British Columbia **September 2024 - April 2028 (Expected)**

B.Sc. Computer Science and Statistics (3rd year) *Vancouver, BC*

- **GPA:** 84%

SKILLS

- Git, Java, React, TypeScript, R, Python, Pandas, Jupyter Notebook

WORK EXPERIENCE

YTRIA **October 2025 - December 2025**

AI Prompt Integration Intern *Montreal, QC (Remote)*

- Created a macro generation system for IT administrators, allowing them to generate XML-style code using a given prompt.
- Developed a system of prompts where one prompt classifies actions while a refined prompt generates code, allowing for more tailored results while using 50% fewer tokens.
- Researched and compared multiple LLMs to determine predicted usage and costs, ultimately recommending Grok's code model to implement the prompt system.

The Blue Marble Academy **July 2025 - August 2025**

Full Stack Engineer Intern *King City, ON (Remote)*

- Improved and expanded on a flashcard feature for The Blue Marble's website.
- Designed a user-friendly flashcard dashboard using React, which allows flashcards to be created, displayed, edited and deleted.
- Developed a cloud storage system using Python and Microsoft Azure, enabling flashcards to be stored online.
- Used OpenAI's API to generate machine-readable JSON, allowing for flashcards to be generated from uploaded documents.

PROJECTS/HACKATHONS

University Management System **January 2026 - Present**

- Created a university management system for classes, allowing universities to manage courses and sections.
- Wrote a user-friendly dashboard in HTML, CSS and JS, enabling the end user to examine courses and perform CRUD operations on courses, organizations and sections.
- Developed a RESTful API in TypeScript to handle data validation, routing, and persistent storage.

American Statistical Association DataFest **March 2025**

Finalist *Vancouver, BC*

- Analyzed post-pandemic trends in office rentals, determining that high quality office space in major market areas are worth investing in.
- Used R and the Tidyverse to make exploratory visualizations and Python to use random forest regression to predict future pricing.
- Became a finalist by generating accessible and appealing visualizations.

VOLUNTEER EXPERIENCE

Thunderbird Marching Band **May 2025 - Present**

Publicity Officer *Vancouver, BC*