

BENJAMIN(YUETIAN) ZENG

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EDUCATION

University of Waterloo

Sept 2023 - Apr 2028 (Expected)

B.A.Sc in Electrical Engineering (E&Computer) Honours Coop - term 1B

Waterloo, ON

- [Dean's Honours List](#)
- Cumulative Average: **88.92%** (top 10% in the program)
- President's Scholarship (\$2000)
- Core Curriculum: Fundamentals of Programming(C++), Electricity & Magnetism, Digital Circuits, Linear Circuits

SUMMARY OF QUALIFICATIONS

Programming Languages: JavaScript, CSS/SCSS, HTML, C++, C, Java, SQL

Tools: React.js, Node.js, Express, SpringBoot, jQuery, Bootstrap, PostgreSQL, MongoDB, Prisma, Git, Postman, Excel

Languages: English, Mandarin

PROJECTS

Real Estate App | *Node.js, React.js, Express, MongoDB, Prisma, Socket.io* | [🔗](#)

Apr 2024

- * Built a Real-time Chat-enabled Real Estate application using [MERN stack](#) and [Socket.io](#).
- * Implemented [RESTful API](#) endpoints for [CRUD](#) operations on user-generated content such as posts, chats and user information using [Prisma ORM](#).
- * Utilized [react-router-dom](#) to implement client-side routing, allowing users to navigate between different pages of the application without full page reloads.
- * Implemented [data filtering](#) functionality in API endpoints to empower users with flexible search criteria for retrieving posts based on various parameters such as city, type, property, and price range.
- * Engineered [data loading mechanisms](#) using React Router's loader functions, optimizing performance and user experience by dynamically fetching data for specific routes.
- * Increased application security by implementing user [authentication controller](#) and [authorization mechanisms](#) using [JWT](#) in conjunction with [bcrypt](#) for password hashing.

Income trend Analysis | *Excel* | [🔗](#)

Nov 2022 - Dec 2022

- * Led a team of 4 in high school to conduct an in-depth analysis of the US workers' financial trends, utilizing data from year 2010 to 2020 to identify correlations between education levels and financial outcomes.
- * Utilized [Excel](#) for data calculation and visualization, Synthesized complex information into a comprehensive report.

Geesespotter | *C++* | [🔗](#)

Oct 2023

- * Built a University of Waterloo styled minesweeper game using [C++](#).
- * Implemented functions to achieve creating, marking and revealing fields, compute neighbouring geese counts, determine win conditions, and validate field reveal and mark actions.

Simon Game | *JavaScript, HTML/CSS, jQuery* | [🔗](#)

Jan 2024

- * Developed a Simon Game web application using HTML, CSS, and JavaScript with [jQuery](#) for event handling.

Task Manager API | *Node.js, Express, CSS, PostgreSQL* | [🔗](#)

Apr 2024

- * Built a CRUD web application using [Node.js](#), [Express](#), [EJS](#) and [PostgreSQL](#), allowing users to create, retrieve, update, and delete tasks.

EXPERIENCES

Marketing Intern

Apr 2024

ALLGOOD (Beijing) Technology Co., Ltd

Beijing, CN

- * Wrote 6 posts on social media platforms like Xiaohongshu to demonstrate our expertise, resulting in the interest of 3 companies seeking assistance in partnering with overseas multi-channel network(MCN)/influencers on TikTok and Reels.
- * Responsible for targeted research to find MCN/influencers aligned with our client's demands. Utilized metrics like follower counts, video views & complete rate and content relevance to identify optimal candidates for product promotion.
- * Facilitated collaborations between GAC Group and 8 MCN/ influencers in the U.S., Geely Automobile with 2 MCN in France, and 4 MCN in Japan, resulting in heightened brand visibility and impact in respective local markets.

Office Volunteer

Dec 2022 - Jan 2023

MPP Logan Kanapathi's Office

Markham, ON

- * Led a team of 4 to make door-to-door outreach aimed at inviting local residents to participate in community activities.
- * Employed Excel for office documents, speech drafts and resident feedback, partner information data entry, ensured the database remained accurate and well-organized.

ACHIEVEMENTS

- * Placed in the [top 25%](#) in **2022 Canadian Senior Mathematics Contests** and **2023 Euclid Contest**.
- * Honoured with **Ontario Highschool Scholar** and **Unionville High School's Honour Roll**.