

Dundee Zhang

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SKILLS & INTERESTS

Languages: JavaScript, TypeScript, C, C++, Java, Python, HTML, CSS

Tools and Frameworks: Git, Bash, Node.js, Next.js, React, MongoDB, TailwindCSS, Flask, SQLAlchemy

EDUCATION

University of Waterloo

Waterloo, ON

Bachelor's of Computer Science – GPA: 3.9/4.0

Expected Graduation: Apr 2028

- **Societies:** The Mathematics Society - **First Year Representative** and **Councilor Director**
- **Clubs:** Computer Science Club - **External Affairs Executive** and **Office Manager**
- **Design Teams:** Electrium Mobility - **Web Developer** - Wrote scripts to allow renting vehicles on the store.

EXPERIENCE

Ignition Hacks

Aug 2024

Mentor

Remote

- Mentored over **400** university and high school students in **JavaScript**, **TypeScript** and **Python**.
- Helped students integrate **OpenAI** and **WolframAlpha** APIs in their projects for **AI** and **Computer Vision**.

NRGHacks

Aug 2023 – Jun 2024

Co-Founder and Judge

Aurora, ON

- Ran a school-board certified and recognized hackathon for high school students within York Region.
- Raised over **\$1000** for multiple high school computer science clubs totaling over **200 hackers** overall.

Newmarket High School Computer Science Club

Sep 2023 – Jun 2024

President

Newmarket, ON

- Ran **hackathons** and **club fairs** to introduce **over 200 students** to computer science within the town.
- Organized weekly club meetings to **teach university-level** computer science concepts to junior students.

Town of Newmarket

Sep 2022 – Jun 2023

Lifeguard, Swim and Lifesaving Instructor

Newmarket, ON

- Trained students in lifesaving through the Bronze Medallion Course with over **70%** pass rate.
- Taught and planned swimming and lifesaving lessons for **persons with disabilities**.

PROJECTS

Portfolio Website and Blog

Aug 2024 – Current

TypeScript, Node, React, CSS, HTML, Markdown

github/dundeezhangv4

- Built fully-featured portfolio and blog with **user commenting**, **contact form**, and **markdown interpreter**.
- **Reactive** and playful **animated** elements throughout the webpages.

AI-Enhanced To Do List

Jan 2025

Python, Flask, SQLAlchemy, GPT-4o, HTML, CSS

github/todo

- Created an **AI powered** To-Do list that **automatically generates** subtasks for the users tasks.
- Incorporated **SQLAlchemy** database to store the task list to ensure usefulness.

Algorithms and Data Structures: Contest Solutions

Sep 2022 – Feb 2024

C++, C, Java, Python

github/contests

- Solved complex math problems using **graph theory** and **abstract data structure** concepts.
- Achieved **Honor Roll (top 3%)** in the **Canadian Computing Competition**.

AWARDS

Rich Media - Aivars Petersons Memorial Award

Jun 2023

University of Waterloo

- **One award**, given annually to an **outstanding** undergraduate student entering Year One of any program in the David R. Cheriton School of Computer Science.