

# William Xia

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## Education

**Tufts University, School of Engineering, Medford/Somerville, MA**

BS Computer Science, Entrepreneurship Minor, Graduation 2025

Relevant Courses: Calculus I, II & III, Data Structures, Engineering Applications, Entrepreneurial Finance, Machine Structure and Assembly language, Intro to Security, Web Programming

**Reading Memorial High School, Reading, MA**

Graduated: 2021

High honor Roll. 4.3 GPA.

AP Computer Science, 5

## Skills

Programming Languages: C, C++, Java, Javascript, and Python

Web Development: HTML, CSS

Microsoft Office (Word, Excel)

G-Suite (Google Docs, Google Sheets)

Other: LateX document creation, Wireshark

## Projects

### Gerp (C++)

- Created a text-searching and indexing tool. The user queries the program with keywords, which responds with each instance of the keyword and its location from a given directory.
- Implemented using hashing for constant time access of the indexed directory.
- Utilized classes and objects for modularity, efficient traversals of trees and lists, and chaining for duplicate queries.

### Personal Website

- Built using HTML, CSS, and JavaScript.
- Includes an archive of my personal projects and achievements.

## Work and Volunteer Experience

### Front-Store Associate, CVS Pharmacy Reading

- Maintain storefront and process merchandise.
- Assist customers and provide customer service.

### Lahey Health Volunteer, Lahey Health, Burlington, MA

- Admitted competitively through the Lahey Junior Volunteer Program.
- Assist patients in lobby with wheelchairs & navigation
- Process and Deliver packages through hospital.