

# Will Altman

Software Engineer | [willaltman.tech](http://willaltman.tech)

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## EDUCATION

**The Ohio State University**, Columbus Ohio — BS Computer Science and Engineering

**Expected Graduation:** May 2023, currently sophomore status.

**Cumulative GPA (4.0 scale):** 3.677

**Relevant Coursework (through SP 2021):** Introduction to programming in Java, Introduction to programming in C++, Software Components, Software Development and Design, Discrete Structures, Data Structures, Introduction to Low-Level Programming and Computer Organization, Linear Algebra, Calculus 1, Calculus 2, Calculus 3

## RELEVANT WORK EXPERIENCE

**The Ohio State University** — Software Components Teaching Assistant

August 2020 - PRESENT

- Enhanced learning during lab periods and in office hours by guiding students through challenging projects and assignments.
- Debugged code with students collaboratively to quickly find logic errors.
- Evaluated the style, efficiency, readability, and output accuracy of student programs while identifying common errors across the class.

## TECHNICAL QUALIFICATIONS

**Languages:** Java, C++, C, MatLab, HTML, CSS

**Software:** Comfortable programming in a Linux command line environment and using github. Able to design and develop software and junit test plans from scratch.

**Hardware:** Basic knowledge of computer architecture, assembly, overclocking, and troubleshooting.

## PROJECTS

**Word Cloud Generator:** Developed a word cloud generator using data structures and object oriented design principles to quickly and efficiently sort through novel-length texts, then print the most frequent words to a stylized web page alphabetically with words resized depending on their number of occurrences.

**Personal Website:** Self taught HTML and CSS programmer with basic JavaScript knowledge. Implemented custom JavaScript and CSS features. Employed advanced design principles to ensure compatibility on mobile devices. See: [willaltman.tech](http://willaltman.tech)

## ACTIVITIES

**The Ohio State University Marching Band**

August 2019 - PRESENT

The OSUMB demands 30 hours weekly on average during the fall semester. The band develops leadership, work ethic, attention to detail, and teamwork skills in a rewarding yet challenging, fast paced, and high pressure environment.

## AWARDS

**Dean's List at The Ohio State University (AU 2019, SP 2020, AU 2021).** Awarded to students who earned a 3.5 or higher in any given semester.

**Invited to the Cum Laude Society as a High School Senior (SP 2019).**

Awarded to select teacher-nominated individuals within the top 20% of their graduating class who have taken and excelled in rigorous college preparatory curriculum.

**AP Scholar With Distinction (SP 2018, SP 2019).** Granted to students who receive an average score of at least 3.5 (5 point scale) on all AP Exams taken, and scores of 3 or higher on five or more of these exams. Completed and passed 9 AP Exams in total with an average score of 4.1 per exam.

## REFERENCES

Available upon request

