

Tushar Gupta

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EDUCATION

Cool University

Bachelor of Science in Computer Science

June 2026

Current GPA: 4.0/4.0

Boring High School (Dual Enrollment at Maple Community College)

June 2022

GPA: 4.44/4.0

RELEVANT COURSEWORK

Grades: Exclusively A's and AP Scores of 5/5 on all listed, completed courses

Courses: AP Computer Science A, Intro to Programming, Object-Oriented Programming, Data Structures (in progress), Embedded Systems, Logic Design (in progress), AP Calculus BC (and AP Calculus AB Subscore), Calculus III, Calculus IV, Discrete Mathematics, Linear Algebra, AP Statistics, Probability and Statistics I (in progress), AP Physics 1, AP Physics C: Mechanics, Principles of Engineering

Awards: Dean's Honor List (at Cool University, for the fall, winter, and spring quarters each), 2x AP Scholar with Distinction Awards, World Language History Award (for Spanish)

SKILLS

Languages: C/C++, Java, Python, JavaScript/TypeScript, HTML/CSS, \LaTeX

Tools: Git/GitHub, Unix Shell, Node.js, Webpack, VS Code, IntelliJ IDEA, Atom

PROJECTS

ChatBuzz | *TypeScript, HTML/CSS, Node.js, Webpack, Twitch API, Git, Unix Shell, VS Code* May 2023 – Present

- Developed a full-stack web application for Twitch livestreamers to display repeated chat messages on OBS
- Experimented with Twitch API's OAuth Access Tokens to get chat data from the given channel
- Collaborated with livestreamers to get feedback and suggested features
- Solved problems relating to asynchronous tasks

FoodDropper | *Java, Maven, Spigot API, Git, IntelliJ IDEA* August 2022

- Developed a Minecraft server plugin to limit players to one way of replenishing their hunger bar
- Used persistent data containers to save and load data, ensuring that it persists across plugin resets
- Optimized UX (User Experience) e.g. prioritized sound design, timing of food drops, supplied saturation level, and had to address many potential workarounds in the numerous ways of destroying the food dropper

EXPERIENCE

CS Club | *Member* Present

Cool University club centered around Computer Science topics

Professional Tutoring | *Tutor* 2019 – Present

Self-explanatory...

Super Club | *Founder, Manager, Member* Jan. 2021 – April 2021

Learned how to fly

Marmaduke Charity | *Volunteer, Manager* August 2018 – Present

Interacted with and helped the local community. Earned an award for philanthropic hours spent

Playing the Oboe | *Clarinet Player* August 2013 - June 2019

Played the oboe for years, even joining jazz and marching bands. Took significant time, effort, and practice

3rd Place Time Keeper (Local Competition, Family Tradition) | *Competitor* Feb. 2022 – May 2022

Won \$50 locally competing against high school students in keeping track of the time