

ELLIOTT HARPER

CONTACT



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SKILLS

- **Programming Languages:** Java, JavaScript/TypeScript, Python, HTML/CSS, SQL
- **Frameworks/Libraries:** React, Tailwind CSS, Spring Boot, Express, FastAPI
- **Tools/Version Control:** Git Bash/GitHub
- **Data & Algorithms:** Data Structures & Algorithms, Mathematical Problem Solving
- **Software/Applications:** Microsoft Office, Google Workspace, Blender, Adobe Photoshop, Excel

AWARDS

- Plano ISD Superintendent's Scholar Award, 2023-2024
- Academic Excellence Award from McMillen High School, 2023-2024
- Honor Roll Award from McMillen High School, 2024-2025
- Academic Excellence Award from McMillen High School 2024-2025

PROFESSIONAL SUMMARY

Highly driven honors student with strong technical skills in programming, math, and data structures, complemented by leadership experience in a coding club and community volunteering. Seeking to leverage proven leadership and problem-solving abilities into a challenging role.

EXPERIENCE

Math Tutor Mathnasium May 2025 - Now

- Tutored and mentored students in math, resulting in improved academic performance and increased confidence in problem-solving.
- Collaborated with fellow tutors to develop effective teaching strategies

Web Developer Computer Programming Initiative May 2025 - Now

- Optimized frontend performance for usaco.guide website by implementing lazy loading for heavy components, reducing hot reload time by ~35% and improving Core Web Vitals (LCP, INP, CLS).
- Enhanced UI/UX by adding a blind mode feature for problem tags and fixing bugs (negative countdown timer, empty URL submissions).
- Improved code clarity in Bronze-level modules by adding inline comments and beginner-friendly explanations for Java/Python code snippets.

Vice President McMillen Coding Club Aug 2024 - May 2025

- Led 12 educational coding activities for 8 students to foster skill development
- Received 1st Place in Plano East Senior High Computer Coding Contest

EDUCATION

- Plano East Sr. High, Plano, Texas, Expected graduation May 2027
- **GPA 4.1**

Relevant Coursework

- Honors English II, Honors Algebra II, AP Humanities I, AP Humanities II
- Computer Science I

PROJECTS

PDF Voice Assistant May 2025 - July 2025

- Developed a voice-to-PDF web app using React, Node.js, and Python microservices (Whisper, Ollama/Mistral) that transcribes speech, extracts structured data via local LLM, and auto-fills PDF forms dynamically.
- Built a full-stack solution with Express backend, PDF-lib for form handling, and Multer for file uploads, enabling seamless voice-based form completion for any fillable PDF.

Economic Data Visualizer April 2025 - May 2025

- Used HTML, CSS, and Vanilla JavaScript to display economic data from World Bank API using different chart types
- Implemented dashboard widgets with external libraries (Chart.js, Choices.js)

Apple Stock Tracker April 2025

- Created an automation script that populates a Google Sheet with Apple Stock Data
- Demonstrated knowledge of Google Apps Script (JavaScript) and AlphaVantage API