

Alex Flesher

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EDUCATION

Texas A&M University

B.S. Computer Science

GPA: 3.8/4.0

Relevant Coursework: Computational Engineering Lab 1, Calculus II, Calculus III, Discrete Structure Computing, Program Design and Concepts, Statistics I, Introduction to Computing

College Station, TX

Aug. 2024 – May 2028

Clear Lake High School

STEM Endorsement

Relevant Coursework: AP Computer Science Principles(5), AP Calculus AB(5)

Achievements: Honors Program (2023, 2024), Scholars Program (2022), Sumacumlaude Graduate

Scholarship: Clear Lake High School Tennis Scholarship

Houston, TX

Aug. 2020 – May 2024

TECHNICAL SKILLS AND CERTIFICATIONS

- **Programming Languages:** Python, Javascript, HTML, CSS
- **Frameworks and Libraries:** React, Flask, Matplotlib, SymPy, NumPy
- **Tools:** YOLO, OpenCV, TensorFlow, PyTorch, PyMuPDF, Git/Github, Office 365

EXPERIENCE

Pet Sitting Business

Pet Sitter

- Provided comprehensive pet care services, including feeding, bathing, exercise, and entertainment.
- Ensured the well-being and safety of clients' pets.
- Demonstrated a strong commitment to responsible and nurturing care.

Houston, TX

Jun. 2022 – May 2024

Bay Area Racquet Club (BARC)

Tennis Coach/Counselor

- Developed and implemented effective training programs to enhance players' technical skills.
- Cultivated professional relationships with players, parents, and coaching staff.
- Effectively communicated and implemented game strategies.

Houston, TX

May 2023 – Aug. 2023

ACTIVITIES & PROJECTS

TidalHack 2025

Insight

- Developed a full stack web application using **Flask** and **React.js** that generates personalized tech career roadmaps from user resumes, GitHub, LinkedIn, and user-defined preferences
- Integrated **Google Gemini API** to generate AI-powered recommendations for skills, certifications, and project ideas tailored to user interests and experience
- Designed an interactive UI with real-time previews and implemented PDF export using **PyMuPDF** for seamless roadmap sharing and offline access

College Station, TX

Mar. 2025 – Apr. 2025

HowdyHack 2024

Hit or Miss

- Collaborated in a team of 4 to design and develop a music discovery web application across a 24 hour time limit.
- Integrated **Spotify API** to fetch real-time music data, enabling users to explore new music and artists based on listening history and preferences as well as top recently streamed hits.
- Showcased the app to a panel of judges, emphasizing creative solutions and the technical execution achieved under time constraints.
- Built dynamic **React** components to display personalized music data and improve user engagement and interaction.

College Station, TX

Sep. 2024 – Oct. 2024