Colin Levine

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EDUCATION

Texas A&M University **College Station, TX**
Bachelor of Science – Computer Science *Fall 2022 – Spring 2026*

Leadership Roles

Freshmen Reaching Excellence in Engineering *Fall 2022 – Present*

- FREE is a prestigious Freshman Leadership Organization at Texas A&M University made of **only 80 students**, focused on **fostering leadership skills and academic excellence** among engineering students. As a Freshman, I contributed to the organization's success through merchandise production and social media management. Currently, I am a "Big" in the organization, working to **mentor and guide incoming freshmen** in their transition to college life.

Aggie Coding Club *Fall 2023 – Present*

- I plan to be active in this organization in Fall 2023. Membership consists of contributing my coding skills and **collaborating on a range of team projects**. Additionally, I look forward to leveraging this opportunity to network with a diverse group of fellow coders across all majors.

Awards

- National Recognition Scholarship $3,000/semester | **$24,000**
- Foundation Excellence Awards $2,500/semester | **$20,000**
- Keys to Aggieland Scholarship $1,250/semester for 1 year | **$2,500**

Relevant Coursework

- **Completed:** Introduction to Object Oriented Programming - C#, Engineering Lab 102 – Python, Calculus 1/2 – Python w/ NumPy, SymPy, and Matplotlib
- **Fall 2023:** Linear Algebra, Discrete Structures for Computing, Program Designs and Concepts - C++, Introduction to Computing
- **Spring 2024:** Data Structures and Algorithms, Computer Organization, Programming Languages

Web Development Bootcamp **Online**
London App Brewery founded by Dr. Angela Yu *Summer 2023 – Present*

Lutheran High School of San Antonio **San Antonio, TX**
Salutatorian *Fall 2018 – Spring 2022*

TECHNICAL SKILLS

- Python – Flask, OpenAI, NumPy, SymPy, Matplotlib
- HTML, CSS – Bootstrap
- JavaScript – Node.js, Express.js, EJS, Learning React
- C#, Learning C++ in Fall 2023
- Exposure to Java in Android Studio
- Google Cloud, WebRTC, Socket.io
- Autodesk Inventor, Microsoft Office Suite, Adobe Creative Cloud Suite, Figma

RECENT PROJECTS

Howdy Hack | Aggie Course Directory – JavaScript with Node.js, Express.js, EJS, Socket.io | CSS Bootstrap | OpenAI *2023*

- This hackathon was an opportunity for me to **teach a team that was entirely new to web development**. Together, we designed, built, and deployed a full-stack web application in just 24 hours. The project provides AI-generated course descriptions from GPT 3.5 Turbo, grade distribution graphs, and professor reviews for each computer science class, all within a single platform. The app was deployed on Google Cloud, ensuring accessibility for all students.

Vocal GPT – Python | OpenAI *2023*

- This project enables users to engage in verbal conversations with **OpenAI's GPT 3.5 Turbo large language model**. By leveraging voice recognition and text-to-speech capabilities, this project bridges the gap between human speech and AI-generated responses, creating a more interactive and natural conversational experience.

Peer-to-Peer Video Calls – JavaScript with Node.js, Express.js, EJS, PeerJS (WebRTC), Socket.io | CSS | HTML *2023*

- This comprehensive full-stack development project is designed to **facilitate secure, private video communication** through peer-to-peer connections. The implementation of a WebRTC signaling server hosted on **Google Cloud**'s App Engine ensures seamless and efficient peer-to-peer video connections, reminiscent of popular peer-to-peer video chat platforms like Omegle. The project can also support as many users in each room as the computer can handle.

Efficient Rate My Professor – HTML | CSS | Python with Flask and RateMyProfessorAPI *2023*

- Enhanced the user experience of finding professors by allowing users to search based on courses, rather than searching each individual professor. This project utilizes web scraping and Flask to **provide students with a more streamlined approach** to accessing valuable professor reviews.