

# Brett Alford

---

## Contact Information:

🏠 Address: Lago Vista, Texas

✉ Email: [brettalford1@gmail.com](mailto:brettalford1@gmail.com)

☎ Phone number: 512-507-2896

🌐 LinkedIn: [brett-alford1](https://www.linkedin.com/in/brett-alford1)

## Education:

- B.S. Computer Science
- Minor in Mathematics
- Graduated From Texas Tech University in December 2024

## Technical Skills:

- Most Used: Python, Java, C
- Skilled: Unix Command line, HTML, MySQL, Wireshark
- Experienced: C++, CSS, R, JavaScript, NoSQL, ARM assembly

## General Skills:

- Well versed in navigation and usage of commonly used interactive developer environments and modern systems such as Visual Studio Code, Clion, Pycharm, Jupyter Notebook, RStudio, Windows File Explorer, Microsoft Word, Teams, amongst other Microsoft Office suite programs.
- Trained in technical writing with a primary focus on instruction and user manuals.
- Experience with troubleshooting and repair of computer hardware and software.
- Ability to locate and follow manual instructions to solve common issues and errors.
- Well versed in the use of common mathematical concepts.
- Experienced working in both collaborative and independent environments to design, develop, and implement programs
- Experienced with Scrum among other Agile development frameworks

## Prior Experience:

- Volunteered at a Public Library, typically assisting library members with the use of public technologies or operating the phone and managing inventory. Supervising community events that took place there.
- Engaged in several team-based projects in leadership and other roles.

## Projects:

- Developed CollaBand as part of a team, a web application designed to provide an environment for collaborative music creation, where multiple users can edit a piece of music simultaneously through the use of a Django webserver and PostgreSQL database as well as Socket.io and Redis to handle live transfer of input so that all users can see the piece in a live session.
- Created a database management system for a faux hospital in MySQL which included all the indexes, tables, and triggers which might have been needed for a real hospital to function. This project helped me cement my skills in SQL and with databases.
- Currently working to develop an application which will use LLM sentiment analysis to determine the tone of a message or group of messages with the goal of giving individuals who struggle with social cues in written language a better idea of what the sender might have intended.

## About me:

- I recently graduated from Texas Tech Edward E. Whitacre Jr. College of Engineering in December of 2024 with a Bachelor of Science in Computer Science and a minor in Mathematics and I am looking for a position and a team where I can apply my knowledge and learn valuable new skills.
- Outside of work, I enjoy going outdoors and hiking in particular, having completed the Camino de Santiago across Spain with all of the challenges it entails. I hope to have the opportunity to hike the Pacific Crest Trail at some point within the next 10 years.
- I enjoy working with technology to create solutions for the problems that I see in life, whether it be making a task more convenient or providing a vital service. Overall I am excited at the prospect of seeing something that I have worked hard on come to life.