

ABBAS ZAIDI

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EDUCATION

The University of Texas, Arlington

Jan 2021 – Dec 2024

B.S. Computer Science

GPA: 3.8/4

- **Awards:** 1st place UTA Datathon '24, Dean's List '23, Maverick Academic Scholarship (\$26000), Blaze Student Scholarship (\$8000)
- **Extracurriculars:** Google Developer Student Club, Mobi App Development Club, Phi Delta Theta Fraternity
- **Related Coursework:** OOP, Algorithms and Data Structure, Databases Systems, OS, Programming Languages, Theoretical CS

EXPERIENCE

Alien Attorney

Jun 2024 – Present

Software Engineer Intern

Atlanta, GA

- Engineered a legal document generator library utilizing OpenAI's API to dynamically generate configurations for document fields extracted via Google OCR
- Revamped a document sorting system by leveraging OpenCV and Google ORM to extract and analyze text from over **50,000** legal documents within a Django and PyTorch framework, enhancing sorting and searching efficiency by **70%**

The Innovative Data Intelligence Research Lab

Jan 2022 – May 2024

Web Developer

Arlington, TX

- Developed a full stack claim verifier website to search the web for relevant articles related to the searched claim using BS4 and Python3
- Built and deployed a responsive client-side website for users using Flask, JavaScript, HTML5 and, CSS3 improving the user experience
- Developed a robust text similarity analysis module using BERT-based sentence embeddings, leveraging PyTorch to find the most relevant sentences from an article given a claim improving the reliability of the results
- Addressed bugs by incorporating continuous integration techniques using Jenkins, leading to a significant improvement of **40%** in overall code quality and development efficiency

PISIQ

May 2020 – Sept 2020

Java Developer Intern

Remote

- Created functional chat bots using Java and the Telegram API to provide customer service and real-time information to users
- Prepared comprehensive documentation for bot setup, API integration, and maintenance procedures to support future development

PROJECTS

PriceSeekr | *Plasmo, TypeScript, React, Firebase*

[chrome web store link](#)

- Developed a web extension enabling users to effortlessly find cheaper products resulting in a significant increase in user savings
- Employed product filtering for similarity, user preferences, location, fraud avoidance, fostering a safer, tailored user shopping experience
- Enabled horizontal scaling in Firebase Firestore, storing personalized user preferences and managing streamlined product search history

InE Motion | *OpenPose, Unity, Conda, Linux*

- Developed an interactive system for UTA's Department of Theatre Arts & Dance, using OpenPose for real-time pose estimation and Unity for dynamic visual projections, enhancing the integration of technology and live dance performances
- Led a team of five in iterative testing, enhancing team collaboration and technical expertise in real-time data processing and visual effects

Space Invaders | *Java, SQL, Junit, Android Profiler*

- Collaborated in a 5-member SCRUM team to develop a Space Invaders-style Android game in Java
- Optimized performance with Android Profiler, reducing crash rates by **20%**, load times by **15%**, and memory usage by **25%**
- Implemented unit testing with JUnit, ensuring code reliability through test suites that covered critical game functionalities and logic

Tujjari | *PHP, Javascript, SQL, Firebase*

- Developed a full stack PHP-based car classifieds website with support for authentication, vehicle upload and user to user chat
- Ensured data security by implementing ElGamal encryption cryptosystem to safeguard user and vehicle listing data stored in MySQL

SKILLS

Programming languages: Python, C, C++, TypeScript, JavaScript, Java, HTML5, CSS3, SQL, PHP, Go

Frameworks/Libraries: React, React Native, Expo, Node.js, Express, Flask, PyTorch, NextJS, OpenPose, TailwindCSS

Databases/Tools: MySQL, Firebase, AWS (DynamoDB, S3), Jira, Junit, Conda, Git, Docker, Jenkins, Linux