

Sule Tekin

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EDUCATION

University of Texas at Austin

Austin, TX

Bachelor of Science in Computer Science, Minor in Arabic

Aug. 2020 – Aug. 2023

Graduate GPA: 3.62

Relevant Coursework: Machine Learning, Object-Oriented Programming, Web Applications, Algorithms and Complexity, Wireless Networks, iOS Mobile App Development, Software Engineering

EXPERIENCE

Freelance Web Developer

November 2023 – Present

- Designing visually appealing and functional websites for Austin's small businesses using ReactJS.
- Collaborating with local businesses to deliver web solutions that resonate with their unique envisions and goals.

PROJECTS

Memory Management | *C Programming Language*

- Developed a dynamic storage allocator in C, emulating the behavior of malloc() and free() functions.
- Designed and implemented an efficient and reliable allocator, ensuring correctness and speed in memory management.

Bomb Lab | *C Programming Language*

- Engineered a C-based cybersecurity program to prevent the detonation of a symbolic bomb.
- Implemented meticulous analysis and validation of register values, strategically neutralizing the threat through targeted input.

Pintos | *C Programming Language*

- Contributed to the development of Pintos, a simple operating system created by Stanford professors using the C programming language.
- Implemented key C programs, such as thread emulation, user program execution, and file system creation.

TripTrekker Travel Website | *HTML, JavaScript, ReactJS, Bootstrap, AWS, Python*

- Created an AWS-hosted travel website with HTML, JavaScript, ReactJS, Bootstrap, and Python.
- Engineered RESTful APIs using Postman and developed a resilient backend server with Python, Flask, and SQLAlchemy, backed by MySQL.
- Integrated data from diverse sources through RESTful APIs, enhancing the website's content and functionality.
- Employed D3.js to craft dynamic and engaging data visualizations, seamlessly integrating with backend data sources for an interactive user experience.

Strive Mobile App | *React Native*

- Created the Strive mobile app with React Native for an El Paso-based non-profit, mentorship-driven organization.
- Implemented features for tracking daily goals and achievements.
- Empowered users with seamless access to essential information, services, and resources.
- Fostered community engagement with a dynamic and user-friendly platform.

Rising Stars Daycare Website and App | *React, Google Firebase, Python*

- Collaborated with Rising Stars Bilingual Learning Center in Austin, TX to develop a dynamic website and app, driving new client management.
- Managed website domain acquisition via Squarespace Domains and deployed using Google Firebase.
- Optimized parent-child information management for enhanced user experience.
- Integrated Yelp API for authentic parent reviews, bolstering credibility and trust.

TECHNOLOGIES AND LANGUAGES

Technologies: React, Flask, MySQL, Visual Studio Code, IntelliJ, Xcode, Firebase, Jinja2, D3.js, AWS, Linux, Git, MATLAB

Programming Languages: Java, Python, C/C++, JavaScript, HTML/CSS, Swift, x86 assembly