

Sule Tekin

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EDUCATION

The University of Texas at Austin, Austin, TX

August 2020 - August 2023

Bachelor of Science, Computer Science

Graduate GPA: 3.62

Relevant Coursework:

Data Mining/Machine Learning, Object-Oriented Programming, Web Applications, Algorithms and Complexity, Wireless Networks, iOS Mobile Application Development, Software Engineering

EXPERIENCE

Freelance Web Developer, Austin, TX

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

- **Evil Hangman (Java)**
 - Developed a Java-based Hangman game with a unique rendition.
 - Implemented a dynamic word selection approach, strategically narrowing down potential words based on user guesses/inputs.
 - Maintained suspense by withholding the secret word until necessary.
 - Showcased problem-solving skills through an engaging and innovative gameplay twist.
- **Memory Management (C)**
 - 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)**
 - 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)**
 - 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.
 - Employed JavaScript and React for a dynamic and user-friendly frontend interface.
 - Integrated data from diverse sources through RESTful APIs, enhancing the website's content and functionality.
- **[Strive Mobile App](#) (React Native)**
 - Created the Strive mobile app with React Native for an El Paso-based non-profit organization.
 - Empowered users with seamless access to essential information and services.
 - Implemented features for tracking personal growth through organization-specific challenges.
 - Fostered community engagement with a dynamic and user-friendly platform.

Technologies & Languages

Technologies: ReactJS, React Native, Flask, MySQL, Visual Studio, Xcode, Firebase, Jinja2, AWS, Linux, Git, MATLAB

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