Sean Davis

Bryan, TX 77808 | sdavisde@gmail.com | (214) 799-7708 | linkedin.com/in/sean-davis-dan

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EDUCATION

Texas A&M University | College Station, TX   **Dec 2022**
Bachelor of Science in Computer Science, College of Engineering   *GPA: 3.74*
- Minor in Cybersecurity

EXPERIENCE

Reynolds and Reynolds | College Station, TX   **May 2021 – Aug 2022**
Full Stack Software Developer
- Co-architected a new and efficient user interface for creating and sending email communications using modern JavaScript, jQuery, and AJAX, resulting in a 500% higher efficiency in distributing email communications
- Applied Agile development methodologies to iteratively build and test new features and adjust to client needs, ensuring project deliverables were always on time and within budget
- Ensured front-end design was consistent, responsive, and accessible across all devices, resulting in refined user experience and increased customer engagement
- Worked closely with UX team to design an intuitive and user-friendly interface, resulting in a 25% increase in customer satisfaction and a 15% reduction in user errors
- Developed and maintained efficient and safe SQL procedures using Microsoft SQL SERVER for data retrieval and analysis on a NET backend
- Participated in code reviews and peer programming sessions to certify all code was well-written, well-documented, and followed best practices, resulting in improved code quality and maintainability

American Airlines (Dependabot-Dashboard) | College Station, TX   **Jan 2023 – May 2023**
Lead Front End Developer
- Led frontend development on Dependabot-Dashboard senior capstone, a data analytics project designed to help companies manage third-party package vulnerabilities more efficiently
- Worked closely with American Airlines to understand product features and develop a user-friendly interface that allows users to easily view security vulnerabilities and quickly patch vulnerabilities to reduce risk of security breaches
- Utilized advanced data analytics techniques to provide detailed insights into third-party package vulnerabilities, including severity ratings, vulnerability types, and affected dependencies
- Presented final project to American Airlines and received positive feedback on its potential to speed up vulnerability management, compliance, and efficiency
- Gained experience in project management, data analytics, user interface design, and client communication

Texas A&M College of Engineering | College Station, TX   **Aug 2022 – May 2023**
Teaching Assistant, Computer Science
- Managed a team of 8 teaching assistants to instruct freshman and sophomore students in Computer Science
- Facilitated weekly discussion sessions for undergraduate students to review course material and answer questions
- Collaborated with professors in developing assignments, exams, and grading rubrics
- Assisted in designing and conducting assessments to evaluate student learning outcomes
- Provided feedback to students on assignments and exams, and addressed any concerns or questions students had

Community Work | College Station, TX   **June 2022 – Nov 2022**
Bible Recall | Hands-on Experience
- Developed a technical solution to help local community memorize bible verses quickly
- Created a fun game to memorize verses and implemented OATH authentication for user accounts

SKILLS
- *Programming*: TypeScript, JavaScript, React, Python, C#, SQL, Java, JSON, APIs, .NET, Next.JS, C++, HTML, CSS
- *Development*: Agile Development, GitHub, Linux (Kali, RHEL, Ubuntu), Software Debugging, CI/CD
- *Interests*: Solving technical problems within local community, playing electric guitar, and building custom keyboards