Casey Root

512-992-9189, caseyroot97@gmail.com
https://caseyroot.com/

Skills

Object Oriented Programming, SOAP and RESTful APIs, .Net Core, .Net Framework, C#, MVC, Web Forms, Unit Testing, Debugging, HTML, CSS, JavaScript, jQuery, Microsoft SQL, Oracle SQL, Git, Azure DevOps, Agile, Scrum, Kanban, Project Management

Professional Experience

Software Developer
Texas Tech University – Lubbock, TX
June 2021 – Present

- Developed three REST APIs used to interface with data needed by Texas Tech University applications, improving programmability and maintainability.
- Developed two console applications that maintain and backup crucial data that Texas Tech University depends on and previously required time extensive manual entry.
- Utilize integration testing to save time and greatly reduce the chance of bugs making it into production.

Software Developer Student Assistant
Texas Tech University – Lubbock, TX
February 2021 - May 2021

- Created a Single Sign On registration website to help automate a previously manual process carried out by department management.
- Displayed an extraordinary ability to learn rapidly and adapt to new technologies.

Research Assistant
Data-Intensive Scalable Computing Laboratory (DISCL) at Texas Tech University – Lubbock, TX
January 2021 – May 2021

- Developed an API for monitoring system statuses at the High Performance Computing Center.

Data Analyst Intern
Texas Commission on Environment Quality – Austin, TX
June 2020 - August 2020

- Inspected and merged permit, incident, and investigation records, exceeding quotas for duplicate removal from the agency's enterprise database.
- Demonstrated an exceptional ability to follow established procedures and processes.

Education

Bachelor of Science in Computer Science
Texas Tech University
May 2021

Personal Projects

Lecture Listener   Python, Google Speech-to-Text, AWS RDS, AWS S3
Senior Capstone Group Project to translate speech to closed captions. Uses Google Speech-to-Text for audio translation, AWS RDS to store user information, and AWS S3 to store transcript and audio recordings.

Image Renderer   C++
Takes a Digital Elevation Map file and turns it into a virtual image from a selected perspective.

Awards

President's Honor List - Texas Tech University
May 2019 - August 2020

Rank of Eagle Scout - Boy Scouts of America
December 2015