Casey Root

caseyroot97@gmail.com
caseyroot.com

Skills

.Net Core, .Net Framework, C#, MVC, HTML, CSS, JavaScript, jQuery, SQL, Git, Azure DevOps, Agile, Project Management, Data Structures, Object Oriented Programming

Work Experience and Involvement

Programmer Analyst III   Jun. 2021 - Present
Texas Tech University Application Development and Support - Lubbock, TX
- Analyze, develop, and review code to meet specifications and requirements of customers and management.
- Develop and maintain a diverse range of applications, such as console applications, web applications, and APIs.
- Developed and published two console applications that automated processes, freeing up this time and responsibility from management.

Programmer Analyst Student Assistant   Feb. 2021 - May 2021
Texas Tech University Application Development and Support - Lubbock, TX
- Created a web application to help automate capturing requests regarding departmental assistance for SSO.
- Developed, tested, and modified programs to meet customer design specifications and requirements.
- Demonstrated an exceptional ability to learn rapidly and adapt to new technologies.

Engineering Technician   Jun. 2020 - Aug. 2020
Goodwill Staffing Agency – Remote
- Data Analyst Intern for the Texas Commission on Environment Quality.
- Inspected and merged permit, incident, and investigation records, exceeding quotas for duplicate removal from their agency's enterprise database.
- Demonstrated an exceptional ability to follow established procedures and processes.

Education

Texas Tech University   May 2021
Bachelor of Science, Computer Science - Edward E. Whitacre Jr. College of Engineering
Minor in Mathematics

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.

Personal Website   CSS, HTML, JavaScript
Personal website to display web development skills. Website can be viewed online at caseyroot.com

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

Achievements

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

Rank of Eagle Scout   Dec. 2015
Boy Scouts of America