Casey Root

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caseyroot.com

Education

Texas Tech University   May 2021

Bachelor of Science, Computer Science - Edward E. Whitacre Jr. College of Engineering

Minor in Mathematics, **GPA: 3.39**

Skills

C#, Python, .Net, MVC, HTML, CSS, JavaScript, jQuery, SQL, Git, Data Structures, Object Oriented Programming, Technical Writing, Communications, Microsoft Office

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 set perspective.

Work Experience and Involvement

Programmer Analyst Student Assistant   Feb. 2021 - Present

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.
- Responded quickly to new instructions, situations, methods and procedures.

Engineering Technician   Jun. 2020 - Aug. 2020

Goodwill Staffing Agency – Remote

- Data Analyst Intern for the Texas Commission on Environment Quality.
- Inspected and merged duplicate permit, incident, and investigation records in the agency's database.
- Demonstrated an exceptional ability to follow set procedures and processes.

Operations Specialist, Mechanic   Nov. 2018 - Dec. 2019

Lime – Lubbock, TX

- Collected, inspected, and redistributed e-scooters to maximize ridership safety and product accessibility.
- Maintained and repaired shared bicycles and e-scooters to preserve the amount of safe operational vehicles.
- Demonstrated an exceptional ability to problem solve and create innovative solutions.

Achievements

President's Honor List   May 2019 - Aug. 2020

Texas Tech University

Rank of Eagle Scout   Dec. 2015

Boy Scouts of America