CELINA RABE

Full Stack Developer
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EDUCATION

The University of Texas at Austin   Bachelor of Business Administration, Management Information Systems   May 2019
Minor in Computer Science
GPA: 3.7

SKILLS: Python, Java, C#, Javascript, HTML/CSS, SQL, Postgres SQL, Flask, Angular JS, ASP.NET, Bootstrap, PowerShell, Postman, Matlab, Octave, GCP

EXPERIENCE

Occidental Petroleum – Network Security Analyst; Houston TX   July 2019 – Present
- Developing dynamic endpoint security report (Python and Angular JS) to discover 500+ application vulnerabilities
- Automating Active Directory management (PowerShell), reducing the volume of email requests by 80%
- Redesigning company audit certifications by incorporating Agile iterative feedback in 2 week sprints
- Conserving $80,000 by negotiating software licenses using cost benefit analysis and business prioritization

Bell Helicopter – Integrated Operations Intern; Fort Worth TX   May 2018 – August 2018
- Converted helicopter flight data into actionable analytics using Python Pandas to create custom warranties
- Charted the forecast financial ratio (HPU) of rotor production, allowing management to assess business continuity goals

PROJECTS

MIS333K Bevo's Books Competition – bestbooksstore.azurewebsites.net   Fall 2018
- Created full stack CRUD bookstore website used by customers and employees to purchase and manage books
- Programmed search functionality using ASP.NET framework, allowing users to search on 6 criteria
- Placed third among 33 competing teams and received raw score of 97/100 based on performance and creative solutions

CS329E Software Engineering   Fall 2018
- Designed full stack informational website using Python, SQL, and HTML allowing students to view book information
- Maintained Postgres SQL database architecture using SQLAlchemy and unit testing to confirm consistent data
- Incorporated app routing using Flask framework, allowing users to easily navigate, search, and view available books

MIS374 Business Systems Development – recalibratemind.com/book   Spring 2019
- Collaborated with a team of five to design booking system for local Austin startup in 4 months using Agile methodology
- Directed Agile consulting team using clear objectives and tasks throughout the development process
- Produced a self service booking and purchasing system offering 20 services to 50+ individual and corporate customers

Natural Language Processing – Amazon Review Sentiment Analysis   Summer 2020
- Implemented machine learning model using Python's Scikit-learn library to predict sentiment of 2,000 text reviews
- Quantified input text based on word frequency using Bag-of-Words Model to create measurable model data
- Attained precision score of 80% by adjusting model using Grid Search and linear classifier