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LANCE "HOLDEN" ONDREJ

PROFESSIONAL SUMMARY

Flexible, adaptable Computer Science student with experience developing applications in an Agile Scrum environment, the ability to collaborate and lead, and involvement in machine learning research.

EDUCATION

Texas A&M University, College Station, TX
Bachelor of Science, **Computer Science** & Minor, **Business** Expected in 05/2022

- **GPA - 4.0/4.0**
- Member of Engineering Honors, Aggie Leaders of Tomorrow, and National Society of Leadership & Success

WORK HISTORY

INFORMATION TECHNOLOGY INTERN 06/2021 to 08/2021
American International Group, AIG, Houston, TX

- Gained competency working on an Agile Scrum team with 10 developers
- Designed 10 new services for the team's backend .NET Core REST API
- Built an authorization layer to secure a set of the backend services developed
- Wrote 30 automated unit tests using NUnit and Moq
- Created 3 new UI screens for a live AIG application using Angular, a proprietary UI styling platform, and the backend API services

INFORMATION TECHNOLOGY INTERN 06/2020 to 08/2020
American International Group, AIG, Houston, TX

- Worked on a team focused on asset and vulnerability management
- Designed a React frontend and Python backend web application which retrieves security vulnerability data from the Qualys API, stores the data in a SQL server, and displays the data in tabular format
- Automated patching group data updates with a multi-threaded Python script

COMPUTER SCIENCE PEER TEACHER 08/2020 to Current
Texas A&M University, College Station, TX

- Lead weekly review sessions and host daily office hours
- Teach students programming concepts in C++, Java, and Haskell
- Collaborate with students to debug their programs and provide advice

SKILLS

- Machine Learning
- Python, SQL, JavaScript, Angular, React, .NET, C++
- AWS Cloud Practitioner Certification
- Agile Scrum & SAFe Experience
- Full-Stack Web Development
- REST API Development

CODING PROJECTS

Dimensionality Reduction of Cricket Songs (Completed May 2021)

- Extracted MFCCs from cricket song files, reduced the MFCCs (a large scale data set) to 50 features using PCA, and applied the t-SNE algorithm to these 50 features to visualize the sound similarities between cricket species in the same genus

COVID-19 Data Tracker (Completed December 2020)

- Developed the frontend and built the graph functions for a Google Docs Add-On that provides users the ability to insert real-time COVID-19 statistics and graphs into their documents

Menu-Based Statistical Package (Completed December 2018)

- Constructed a Python program that completes statistical analysis on one-dimensional data and displays the analysis via the console, output files, and graphs using the Matplotlib library