Joseph Stanley 512-534-1071 | stanley.p.joseph@gmail.com

Education

- Junior, Bachelor's Degree in Computer Science, at University of Texas at Austin, (2021-Present), GPA: 3.95
- Westwood High School, Austin, TX, (2017-2021), GPA: 4.0, SAT Score: 1590
- UT Courses Completed: CS 314H–Honors Data Structures, CS 311–Discrete Mathematics, CS 309/378–Research: Energy Analytics, M 408D–Integral & Multivariable Calculus, CS 429–Computer Organization & Architecture, M 340L–Linear Algebra, SDS 321–Probability & Statistics, CS 439–Operating Systems, CS 363M–Machine Learning, CS 371M–Mobile Computing
- Spring 2023 Courses: CS 331–Algorithms & Complexity, CS 342–Neural Networks, CS 343–Artificial Intelligence

Experience

- **Greysteel - Data Engineering Intern (July 2021 – Present)**
  - Developing Tableau visualization dashboards/reports from Salesforce for Real Estate (RE) Brokers
  - Running SQL queries and used the Salesforce Data Import Wizard to audit and correct RE data
  - Coding Python Scripts that process the USPS Address API to correct RE geographical data
- **Foreflight - Software Engineering Intern (June 2022 – August 2022)**
  - Migrating testing suites from qTest to TestRail
  - Coding Python Scripts that use libraries such as Gspread, PyGithub, and Jira to create changelogs
- **UT Austin - Undergraduate Researcher (August 2021 – May 2022)**
  - Applying data analytics, geostatistics, and machine learning to make predictions on energy data
  - Deploying models and workflows in Python

Skills

- Programming Experience in C, Java, JavaScript, HTML/CSS, Python, SQL, and PHP
- Work Experience using MySQL, Tableau, Salesforce, GitHub, MS Word/Excel/PowerPoint, and SQLite
- Work Experience using Developer IDEs like Eclipse, PyCharm, Apache NetBeans

Certifications

- Oracle Certified Associate, Java SE 8 Programmer (1Z0-808)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Microsoft Certified: Azure Data Fundamentals (DP-900)

Projects

- **Rock Facies Classification (May 2022)**
  - Classified Rock Facies using Supervised Image Segmentation
  - Segmented Rock Images using a U-Net Convolutional Neural Network
- **Synthetic Rock Image Reconstruction (December 2021)**
  - Synthetically reconstructed Subsurface Rock Images using Generative Adversarial Networks
  - Paper in development
- **Tetris & Tetris Bot (October 2021)**
  - Created a game of Tetris with Java that uses a circular Linked List to manage Tetris piece rotations
  - Developed a Tetris Bot with Java to play the game of Tetris with the ability to place up to 1000 pieces

Achievements

- TH.0 Virtual Unichallenge Hackathon First Place Team Winner
- UIL Computer Science: Regionals – 2nd individual, District – 2nd team & 3rd individual, State – 11th individual
- UTPC (UT Programming Competitions) – 5th place for Team event
- National Merit Finalist