Chris Thomas

Houston, TX (Looking to relocate)

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in christophersthomas

Summary

Data Engineer with 4 years of wide-ranging experience. Eager to join INSERTCOMPANY to work with a larger technology stack and further broaden knowledge base.

Experience

Mesos   **Houston, TX**
Engineer   *May 2021–Current*
Startup focusing on high frequency and high resolution monitoring of pipelines using aerial platforms and AI algorithms

- Collaborated with a team of 4 to assemble fixed-wing RC drones with camera payloads. Focused on electrical components and flight programming using Ardupilot
- Developed image processing and storage solution using Python, Postgres, and open source stitching tools
- Designed prototype online image distribution and monitoring platform using flask backend and bootstrap templates with jQuery

Bazean   **Houston, TX**
Data Engineer   *June 2018–May 2021*
Private Equity firm focusing on using technology to improve energy investment efficiency and environmental impact

- Created and maintained full data pipelines from web scrapers to customer facing views using Python and Postgres
- Built satellite imagery ingestion and neural networks in TensorFlow to assist classifying fracs and improve manual classification speed 5-10x times
- Presented Jupyter notebooks to leadership based on internally generated oil and gas datasets
- Implemented machine learning models using scikit-learn and numpy for well decline curves and well spacing
- Managed small project teams (up to 4) and successfully collaborated with office in Seattle and employees scattered throughout California
- Assisted with and maintained other smaller projects, including Angular apps, Excel automation, and Slack apps

Education

Rice University   **Houston, TX**
BS of Mathematics, GPA: 3.85   *2014–2018*

Publications

T. Ajayi, C. Thomas, A. Schaefer. **The Gap Function: Evaluating Integer Programming Models over Multiple Right-Hand Sides** *Operations Research*

Technical Skills

Languages: Python, SQL (Postgres), Javascript, C++, R

Libraries: Pandas, Numpy, TensorFlow, scikit-learn, jQuery, Angular

Other: Linux, Git, Vim, GIS

Hobbies and Side Projects

3D City Modeling Project: Github LINKTODO. Generate 3D viewable and printable models of buildings from OpenStreetMap data. Learned openGL basics and refreshed C++

3D Printing Projects: I run octoprint behind a personal OpenVPN server to control printer remotely. I also have some CAD designs on github - LINKTODO

Amateur Radio License: Technician Level. Callsign - KI5UBN

Other: Baseball, running, card games, piano