

Chris Thomas

Houston, TX (Looking to relocate)

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in christopherstomas

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: [Link](#). 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](#)

Amateur Radio License: Technician Level. Callsign - KI5UBN

Other: Baseball, running, card games, piano