

# Chris Thomas

Houston, TX (Looking to relocate)

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in christopherstomas

## Summary

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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

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### 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

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### 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

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

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

**Other:** Linux, Git, Vim, GIS

## Hobbies and Side Projects

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**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