

Experience

- Sep 2022–Present
(1 year 1 month) **Micah Group - Data Engineer** Remote
Skills: Python, Django, FastAPI, PostgreSQL, MongoDB, GCP, Github Actions, Docker, Pub/Sub, Dramatiq/Rabbitmq, Cloud Functions, DocumentAI, Unleash, BigQuery, Fivetran
- Developed document extraction microservice in FastAPI to process over 900 financial documents via (Google Document AI, OCR, and custom grouping algorithm).
 - Implemented auto-decision feature to automatically approve/deny over \$31.8M loan requests based on historical banking and credit report data.
 - Scope included developing CRUD operations with Django REST API, deploying to GCP Cloud Run/Functions using Github Actions, and develop new features with feature flags and CI/CD.
- Oct 2022–Present
(1 year) **IPSDI - Software Engineer - Part Time** Remote
Skills: TypeScript, AWS, Lambda, S3, ECS Kubernetes, Rabbitmq, ElasticSearch, Github Actions
- Created data pipelines to normalize (120+) fire department's dispatch data (100M+ incidents) with TypeScript, AWS (Lambda, S3, ECS, Cloudwatch, etc). and Github Actions.
 - Deployed API pollers to AWS with serverless architecture.
- Sep 2019–Aug 2022
(3 years) **Altect, Inc. - Vice President of Engineering** Austin, TX
Skills: Python, JavaScript, SQL, FireBase, Flask API, PLC, Solidworks, Microcontrollers
- Co-wrote a patent (20220094014) and SBIR grant proposals that brought in \$1.2M.
 - Developed main software & control and data pipeline for MVP prototype via JavaScript, HTML/CSS, Flask API, PLC, SQL, and FireBase. Created working prototype to mitigate fire/explosion hazards due to Lithium-based battery failures.
- Jun 2018–Sep 2019
(1 year 4 months) **Tesla, Inc. - Quality Data Science & Systems** Sparks, NV
- Saved the company \$10.5M in the 3rd & 4th quarters of 2018 by developing a pilot production line. Created quality procedures & control plans, and assisted in process & manufacturing design.
 - Deployed apps compiled in Python, Java, & MySQL to perform data analysis and identify defect sources and distributed to 200+ technicians.

Skills

- Software Python, Typescript/Javascript, RabbitMQ, Django, Flask, L^AT_EX, Raspberry Pi, HTML/CSS
- Platform Amazon Web Services (AWS), Github Actions, Google Cloud Platform (GCP), Pub/Sub, Lambda/Cloud Functions, Docker, Kubernetes
- Data SQL, Pandas, ETL/ELT, MongoDB, Big Query, DocumentAI, Fivetran

Education

- 2021–2024 **M.S. Computer Science - Georgia Institute of Technology**
Specialization in Machine Learning
GPA: 3.87/4.0
- 2014–2018 **B.S. Mechanical Engineering Honors - University of Texas at Austin**
GPA: 3.92/4.0