

Tyler Jensen

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EXPERIENCE

Senior Data Analyst, Engrain

Oct 2024 – Present

- Built and maintained a collection of PowerBI dashboards giving stakeholders key insights into a variety of KPIs across the organization, enabling management and C-Suite members to make data-driven decisions.
- Built and maintained a variety of automations using Python and Workato employing a myriad of APIs to streamline product onboarding, implementation, and delivery.
- Used OpenAI's APIs to fine-tune vision and customer support tasks, and deployed them to key systems.
- Developed and deployed an auto-tasking application using Python that solved a Linear Programming problem to optimally partition tasks in a work queue to corresponding team members and automate assignment via API. Used Streamlit to deploy the app for use by management across multiple departments.

Data Analyst, Engrain

May 2023 – Oct 2024

- Spearheaded a data cleanse initiative across all key systems in the organization to prepare for a state-of-the-art customer portal.
- Built and maintained a Vector Database using Pinecone and OpenAI to assist in fuzzy searching, duplicate detection, and record linkage tasks.
- Built and maintained multiple internal Python libraries to enable peers to easily interface with a variety of critical APIs.
- Won multiple employee recognition awards.

Data Integrations Specialist, Engrain

August 2022 – May 2023

- Built Python tools to interface with our clients' property management software and internal APIs.
- Configured and maintained live pricing and availability API feeds.

Intern, Presidio

June 2019 – August 2019

- Documented and distributed a knowledge base on IoT/OT devices to contribute to a sales strategy targeting correlated markets.

EDUCATION

Colorado State University - B.S., Mathematics

2022

- **Coursework Highlights:** Post-Quantum Cryptography, Algebraic Topology, Lie Groups
- Worked as a Teaching Assistant for Mathematical Cryptography and Abstract Algebra courses.

SKILLS

- **Coding:** Python, Pandas, git, Docker, SQL, PyTorch, scikit-learn, M, DAX, LaTeX
- **Software/APIs:** Workato, PowerBI, Salesforce, Workfront, NetSuite, OpenAI, Pinecone, Google

PROJECTS

Personal Study

Present

- Ongoing study to complete all exercises in Nathan Carter's *Data Science for Mathematicians*, Allen Hatcher's *Algebraic Topology*, and Kristopher Tapp's *Matrix Groups for Undergraduates*.

Minitorch

2024

- Followed the instructive repository minitorch, which builds the fundamental infrastructure of the PyTorch API from scratch.

Undergraduate Mathematics Research

2021-2022

- Under the guidance of Henry Adams, contributed to a research project on embeddings of low-dimensional manifolds via the Laplace-Beltrami operator (e.g. Laplacian Eigenmaps).