Edgar Thornton

thornton.edgar@gmail.com | +1 319 400 2302

Experience

HAZEL AI TECHNOLOGIES   **Salt Lake City, UT**

Founding Engineer, *YC AI startup*   January 2025 – Current

- Fifth employee at YC-backed AI firm specializing in government procurement.
- Built AI-driven tools to turn unstructured procurement data into actionable insights for governments.
- Led data scraping project, enriching 5M+ vendors with descriptions, company info, contacts, and risk analysis.
- Developed interactive dashboards for local governments to identify purchase order cost savings (Postgres, FastAPI, Next).
- Developed AI-driven document and code search tools using OCR, embeddings, full-text search, and API models from Anthropic, OpenAI, and Google.
- Created risk analysis tools for procurement documents.

HABITAT FINANCIAL TECHNOLOGIES   **St. Louis, MO**

Software Engineer & Technical Co-Founder, *Music Tech Startup*   September 2021 – December 2024

- Co-founded and scaled a SaaS platform revolutionizing royalty processing, rights management, and financial operations for the music industry.
- Designed and built end-to-end data architecture (Django, PostgreSQL) and integrated AI (OpenAI, Google) to automate royalty processing workflows.
- Built interactive analytics dashboards using Python and Tableau, enabling stakeholders to monitor $100M+ in processed royalties with real-time insights.
- Built predictive models using Python and SQL to forecast catalog valuations and optimize financial operations, directly improving decision-making for stakeholders and unlocking new revenue stream.
- Grew customer base to 100+ independent labels and distributors through hands-on collaboration and continuous product iteration.
- Notable project: Jukehouse.fm - Music Publishing Platform (Joint venture with OneKindMedia). Built entire platform from scratch, currently managing 80,000+ songs. Django REST Framework + HTMX.

SEURAT GROUP   **Norwalk, CT**

Senior Data Analyst, *Management Consulting & Private Equity Firm*   July 2018 – September 2021

- Built Python and SQL models for Fortune 500 clients in ecommerce, retail, and pharma.
- Led data-driven projects for customer retention and operational optimization.
- Trained and mentored junior analysts on quantitative research methodologies.

Skills

Core: Python, SQL, JavaScript, TypeScript, Django, FastAPI, React, Next.js, PostgreSQL
AI/ML: OpenAI API, Anthropic Claude, Embeddings, OCR, Document Processing
Data & Analytics: Tableau, Looker, ETL Pipelines, Data Architecture
Infrastructure: AWS (RDS, ECS, ECR), Docker, CI/CD
Product: Technical leadership, Product design, AI prompt engineering, Startup operations

Education

HARVARD UNIVERSITY   **Cambridge, MA**

B.A., Engineering   May 2018