

Tobias Rebant

Data and operations professional. Background in manufacturing analytics and theoretical ML; currently managing residential construction projects while pursuing data roles.

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☎ (509) 381-8678

📍 Sacramento, CA

EDUCATION

Eastern Washington University

Bachelor of Science in Data Science

June 2024

SKILLS

- Programming Languages: Python, SQL, VBA
- Data & ML: pandas, NumPy, scikit-learn, OpenCV, TensorFlow/Keras, Librosa
- AI/LLM: OpenAI API, Prompt Engineering, AI Agents
- Visualization: Power BI, Matplotlib
- Other: Jupyter, Excel/VBA (advanced), Git/GitHub, Data Cleaning & Validation, ETL/Data Pipelines
- Languages: German (Rusty Native), Russian (Semi-Fluent)

WORK EXPERIENCE

Metals Fabrication Inc., Airway Heights, WA

Data Analyst

March 2024 to May 2025

- Developed cross departmental automated reporting workflows in VBA for Excel, for Estimating/Purchasing Department, eliminating an estimated 150+ hours per year of manual reporting work across top management.
- Built end-to-end document digitization pipeline using Python and OpenCV to process ~3,000 legacy printed spreadsheets, converting them into structured data.
- Partnered directly with department leads to scope analytical needs, translate business requirements into technical specifications, and deliver iterative improvements leading to.
- Created Power BI Dashboard to track employee retention, showcasing trust in working with sensitive data.
- Built AI-powered lead generation agent using OpenAI API that accepted vague project descriptions from non-technical sales staff and returned structured research output (GC, funding source, scope, estimated value) to support business development

N G Floors / Quality Design and Build, Sacramento, CA

Project Manager and Estimator

September 2025 - Present

- Manage portfolio of 10+ concurrent residential remodeling projects with active value typically \$200K+, balancing short-turnaround small jobs (2-3 weeks) against multi-month renovations while coordinating subcontractors, suppliers, and homeowners.
- Built internal project tracking web app to centralize fragmented workflow of calendars, sticky notes, and Floorzap; I use it daily for status updates, lead source tracking, and task management across all active jobs.

PROJECTS

Undergraduate thesis: 'X-Vector Speaker Embedding Systems'

Spring 2024

- Implemented audio preprocessing and Mel-scale filter bank feature extraction pipeline in Python (Librosa, NumPy); produced detailed architectural analysis of TDNN-based speaker recognition systems following Snyder et al. (2018).