Jonathan Hildenbrand
Food Scientist & Regulatory Specialist

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Willing to relocate
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⚗ Notable Projects

Recalls Dashboard
@ https://github.com/jonathanhild/fdadashboard

[In Process] End-to-end project to build data dashboard from US and International food recall sources. Uses machine learning with NLP to classify recall events. Provides useful information for analysis of emerging hazards.

Traceability System
@ Oregon Spice Company

Scripts connected to ERP system to run traceability exercises. Improved traceability completion time by 16x and personnel by 3x.

Supplier Approval System
@ Oregon Spice Company

Created supplier approval program and risk analysis documentation for HARPC compliance. Used Tracegains for automatic notification and document collection with custom supplier risk scoring model.

Spec Database
@ Oregon Spice Company

Built database-backed program to create, manage, and version specifications. Allowed QA deparment to organize and control 1200+ raw material and product specifications.

ERP Data Cleaning & SKU Generator
@ Oregon Spice Company

Data cleaning of 10+ years company data with Python scripting for new ERP system; automated process completed in 6 hours. Data model and Python scripting for generating 600+ item SKUs using spice raw material densities.

Statistical Analysis of Mozarella Line
@ Lactalis American Group

ANOVA statistical model to find sources of underweight finished products in mozzarella line. Created 1.5 year dataset and presented findings to plant operations team.

◔ Work Experience

Oregon Spice Company
Multiple Positions
Aug 2012 — Jan 2020

IT Specialist — Managed IT infrastructure and ERP system projects for company of 100 employees. Developed reports and analysis for accounting, sales, customer service units.
Supplier Quality Specialist — Created supplier approval program from ground-up with Tracegains. Responsible for supplier risk assessments and communication of requirements.
Technical Documents Coordinator — Responsible for communicating food safety and quality matters, and composing documentation to customers.

Bridgetown Natural Foods
QA Supervisor
Nov 2011 — Apr 2012

Managed 6-person quality assurance and sanitation department. Assisted in SQF certification.

Sunshine Dairy Foods
QA Projects Leader
Aug 2010 — Oct 2011

Developed of new food safety programs and readiness audit for SQF certification.

⚙ Technical Skills

Food Science US/Canadian Food Regulations, Nutrition Labeling, Supplier Approval & Risk Management, Food Fraud Controls, End-to-end Traceability, Analytical Chemistry, Microbiology, Spice Quality, Dairy Quality, Customer Complaint Management, Technical Documentation

Certifications	Organic, Kosher, Gluten-Free, Non-GMO, HARPC/HACCP, BRC Certification, SQF Lvl 2 Certification
Data Analysis	Statistical Analysis, Machine Learning, Deep Learning, Natural Language Processing, Data Dashboard Design, Python Programming
Technologies	Genesis R&D Nutrition, TraceGains Supplier Approval, Access, Excel, Powerpoint, Word, PowerBI, Jupyter Notebooks, Database Design & Management, ERP System Implementation

🎓 Education & Certifications

University of Washington	Certificate in Data Science	*2020 — Current*
Dataquest.io	Data Scientist in Python ↗, Data Analyst in Python ↗	*2020*
Portland Community College	Courses in Computer Science I/II	*2015*
University of Idaho	BSFS in Food Science & Toxicology	*2003 — 2007*