Jonathan Hildenbrand
Food Scientist & Data Scientist

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Local & Remote WFH
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⚗ Notable Projects

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

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.

ETL & SKU Generator
@ Oregon Spice Company

ETL of 10+ years company data with Python scripting for new ERP system; automated process completed in 6 hours. Data model and Python scripting to generate 600+ item SKUs using 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.

⚙ Technical Skills

Food Science Supplier Risk Assessment · Food Fraud Controls · Analytical Chemistry · Microbiology · Technical Documentation · HACCP/HARPC · BRC Certification · SQF Lvl 2 Certification

Data Science ETL & Data Cleaning · Machine Learning · Deep Learning · Natural Language Processing · Report Design · Database Design · Web Scraping · Technical Writing

Languages Python 3 · SQL · Regex · HTML/CSS/Javascript · Visual Basic · C/C++ · Latex

Tools PostgreSQL · SQL Server · SQLite · Git & GitHub · Conda · Excel · JIRA · Linux Admin · Database Admin · Windows Server Admin

◔ 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.

Beaverton Foods *QA/R&D Technician* *Apr 2008 — Aug 2010*
Lab analysis and product development of mustards and condiments.

🎓 Education & Certifications

University of Washington	Certificate in Data Science	*2020 — Current*
Dataquest.io	Data Analyst 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*