

# Jonathan Hildenbrand

Machine Learning Engineer

📍 Portland, Oregon

🏠 Local & Remote

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## 🔧 Notable Projects

### Recall Dashboard

[Portfolio](https://github.com/jonathanhild/fdadashboard) <https://github.com/jonathanhild/fdadashboard>

End-to-end project to build data dashboard from US and International food recall sources. Uses natural language processing and machine learning to classify recall events. Provides useful information for analysis of emerging food safety hazards.

### 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 Mozzarella Line

@ Lactalis American Group

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

## ⚙️ Skills

### Python

Pandas NumPy SciPy SciKit-Learn NLTK spaCy Matplotlib Seaborn  
SQLAlchemy Conda

### Languages

SQL Regex HTML/CSS/Javascript C/C++ Latex

### Data Science

ETL & Data Cleaning Machine Learning Natural Language Processing Web Scraping  
ML Pipelines Database Design

### Tools

Plotly Dash PostgreSQL SQL Server SQLite Git & GitHub Excel JIRA  
Linux Admin Database Admin Windows Server Admin

## 📅 Work Experience

### Oregon Spice Company

Aug 2012 — Jan 2020

*IT Specialist* — Managed IT infrastructure and projects for company of 100 employees.

*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 food safety certification.

### Sunshine Dairy Foods

QA Projects Leader

Aug 2010 — Oct 2011

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

## 🎓 Education

### University of Washington

Certificate in Data Science

2020 — Present

### Portland Community College

Courses in Computer Science I/II

2015

### University of Idaho

BSFS in Food Science & Toxicology

2003 — 2007