

# Jonathan Hildenbrand

Data Scientist & Software Developer

📍 Portland, Oregon

🏠 Local, Remote WFH & Relocation

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## 🔧 Projects

### Recommender System for Books using NLP

<https://github.com/jonathanhild/powellsbooks>

- In Process The recommender algorithm uses NLP techniques to give recommendations based on Powell's Books' Staff Picks. This project includes a web scraping tool, SQLite database, and Streamlit web interface built in Python. *This is an independent project not affiliated with Powell's Books.*

### FDA Dashboard

<https://github.com/jonathanhild/fdadashboard>

- In Process Plotly Dash dashboard for food safety risks from FDA publically-accessible datasets.

## ⚙ Skills

### Data Science & Analysis

Data Cleaning & ETL Machine Learning Web Scraping Database Design Regex

JIRA & Project Management Technical Writing & Communication Accounting

### Python

Pandas Numpy SKLearn Matplotlib Seaborn SQLAlchemy Beautiful Soup

### Tools

SQL Anaconda PostgreSQL SQL Server SQLite SSMS Git & GitHub Excel

### Information Technology

Database Admin Ubuntu Linux 16.04+ Windows Server Admin Dynamics NAV

## 📅 Experience

### IT Specialist / Supplier Quality Specialist / Tech. Documents Coord.

Aug 2012 — Jan 2020

Oregon Spice Company

Portland, OR

- ETL project to migrate 10+ years of company data to new ERP system. Extensive use of Python scripting with regex for cleaning and load into Dynamics NAV.
- Created linear regression model to dynamically select packaging components based on material densities. Used Python scripting to produce new item SKUs.
- Created reporting and analytics for multiple business units with Excel and SSRS.
- Managed all IT operations. Database and server administrator for Dynamics NAV environment. Implemented backup and performance tuning workflows.
- Built supplier grading/monitoring program in Tracegains SaaS with custom SQL scripting. Created supplier performance KPIs for organization.
- Built Access program to create, manage, and version specifications. Connect to Syspro ERP using SQL and ODBC connectors. Built Access program to rapidly compute product traceability.
- Technical point of contact to customers on food safety and quality documentation.

### QA Supervisor

Nov 2011 — Apr 2012

Bridgetown Natural Foods

Portland, OR

- Supervised 6-person QA and sanitation team.

### QA Projects Leader

Aug 2010 — Oct 2011

Sunshine Dairy Foods

Portland, OR, USA

- Development of food safety systems and GFSI readiness.

## QA/R&D Technician

*Beaverton Foods*

Apr 2008 — Aug 2010

*Hillsboro, OR, USA*

- › Food safety and quality assurance lab analysis.
- › Product development of mustards, sauces and condiments.

## Quality Intern

*Lactalis American Group*

May 2006 — Aug 2006

*Nampa, ID, USA*

- › Statistical analysis of processing data to control weight variances in the mozzarella line.

## Laboratory Assistant

*University of Idaho*

May 2005 — May 2006

*Moscow, ID, USA*

- › Research project in size exclusion chromatography analysis of starch chain fractions in Teff.

## Education

### University of Washington

*Certificate in Data Science*

2020 — Present

*Online*

### Dataquest.io

*(View) [Data Analyst in Python](#)*

2020

*Online*

### Portland Community College

*Courses in Computer Science I/II*

2015

*Portland, OR*

### University of Idaho

*BSFS in Food Science & Toxicology*

2003 — 2007

*Moscow, ID*

*References are available upon request.*