

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.*

GeoGuessr Maps

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

- Creating latitude/longitude coordinates sets made with Python and Google Maps API for Map Maker in [GeoGuessr.com](#).

⚙️ Skills

Data Science & Analysis

Data Cleaning & ETL Machine Learning Web Scraping Database Design Regex
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.