Jonathan Hildenbrand
Data Scientist & Software Developer

- Portland, OR, USA
- Local & Remote WFH
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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] [Technical Writing] [Documentation] [Communication] [Accounting] [Database Design] [Software Development]
Programming Languages	[Python] [T-SQL] [Regex] [HTML / CSS / JS] [C / C++] [VBA]
Tools	[Anaconda] [PostgreSQL] [SQL Server] [SQLite] [SSMS] [Git] [Excel]
Information Technology	[Database Admin] [Ubuntu 16.04+] [Windows Server Admin] [Dynamics NAV]

◔ Experience

IT Specialist / Supplier Quality Specialist / Tech. Documents Coord.
Oregon Spice Company

Aug 2012 – Jan 2020
Portland, OR

> ETL project to migrate 10+ years of ERP data to new system. Extensive use of Python scripting with regex for cleaning and load into Dynamics NAV. Required to perform data load in <12 hours for ERP transition.

> Created linear regression model to dynamically select packaging components based on material densities. Used Python scripting to produce spreadsheets for loading into ERP system.

> Created reporting and analytics for multiple business units using Jet Reports (Excel).

> Database and server administrator for Dynamics NAV environment. Implemented backup and performance tuning workflows. Migrated from single-tier to two-tier environment for performance improvements.

> Management of all IT operations in organization. Equipment procurement with multiple vendors. Creation of IT business continuity plan.

> Built supplier grading/monitoring program in Tracegains SaaS with custom SQL scripting. Created supplier performance KPIs for organization. Managed supplier approval and communication with suppliers.

> 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.

> Development of multiple new food safety and quality systems.

> Technical point of contact to customers on food safety and quality. Provided verbal and written communication to customers. Organized documentaion for rapid turn-around to customers.

QA Supervisor
Bridgetown Natural Foods

Nov 2011 – Apr 2012
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 Apr 2008 – Aug 2010
Beaverton Foods *Hillsboro, OR, USA*

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

QA Projects Leader May 2006 – Aug 2006
Lactalis American Group *Nampa, ID, USA*

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

Laboratory Assistant May 2005 – May 2006
University of Idaho *Moscow, ID, USA*

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

🎓 Education

University of Washington 2020 – Present
Certificate in Data Science *Online*

Dataquest.io 2020
(View) Data Analyst in Python *Online*

Portland Community College 2015
Courses in Computer Science I/II *Portland, OR*

University of Idaho 2003 – 2007
BSFS in Food Science & Toxicology *Portland, OR*

References are available upon request.