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

> This project makes use of Python for a web scraping tool, SQLite database, ML algorithm, and hosted with Streamlit. The model will use NLP techniques to create a book recommender system using Powell's Books' Staff Picks. *This is an independent project not affiliated with Powell's Books.*

GeoGuessr Maps
https://github.com/jonathanhild/geoguessrmaps

> Scripting with Python and Google Maps API to produce latitude-longitude coordinates for Map Maker in GeoGuessr.com.

⚙ Skills

Data Science	Data Cleaning & ETL, Machine Learning, Technical Communication, Accounting, Project Management
Programming Languages	Python, SQL, Regex, HTML/CSS/JS, C/C++, VBA
Tools	Anaconda, PostgreSQL, SQL Server, SQLite, SSMS, Git, Excel
Information Technology	Jupyter, Anaconda, PostgreSQL, SQL Server, SQLite, Git, Excel

◔ Experience

IT Specialist / Supplier Quality Specialist / Technical Documents Coord.
Aug 2012 – Present

Oregon Spice Company
Portland, OR

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

> Created linear regression model to dynamically select packaging components based on material densities.

> 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.

> Built Access program to dynamically create, manage, and version control 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.

> Provide verbal and written communication to customers on food safety and quality systems. Technical documentation writing for food safety and quality systems.

QA Supervisor
Nov 2011 – Apr 2012

Bridgetown Natural Foods
Portland, OR

> Supervised 6-person QA and sanitation team.

QA Projects Leader
Sunshine Dairy Foods

Aug 2010 – Oct 2011
Portland, OR, USA

> Development of food safety systems and GFSI readiness.

QA/R&D Technician
Beaverton Foods

Aug 2010 – Oct 2011
Portland, OR, USA

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

QA Projects Leader
Lactalis American Group

Aug 2010 – Oct 2011
Portland, OR, USA

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

Laboratory Assistant
University of Idaho

Aug 2010 – Oct 2011
Portland, OR, USA

> Research project in size exclusion chromatography analysis of starches in Teff.

🎓 Education

University of Washington
Certificate in Data Science

Summer 2020 – Present
Online

Portland Community College
Courses in Computer Science I/II

Spring 2015 – Fall 2015
Portland, OR

University of Idaho
BSFS in Food Science

Fall 2003 – Spring 2007
Portland, OR

Additional Certifications
Dataquest.io Data Analyst in Python

Online

References are available upon request.