Jonathan Hildenbrand

Data Scientist & Software Developer







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)



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

Aug 2012 - Jan 2020 Portland, OR

Oregon Spice Company

> 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

Nov 2011 - Apr 2012 Portland, OR

Bridgetown Natural Foods

> 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.



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.