Graham Parsons

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WORK EXPERIENCE

Principle Business Enterprises: Python Programmer **Oct. 2018 – Present,** *Bowling Green, OH*

Principle Business Enterprises is a manufacturing facility for absorbent products and wound care products, mainly specializing in highly performant adult incontinence products.

- Design a backend EDI application using Python, PostgresSQL, and QAD (Principle Business Enterprises' [PBE] Enterprise Resource Planning application) to send inventory shipments and sales orders to Ohio Logistics, a third-party logistics company. For this same process, build a web application to show the flow of data and provides a frontend for any manual inventory processes. Manage this shipping and inventory data without any possible loss. Overall, 75% of all company shipments and over $80 million in sales per year are transferred and managed by this critical application.
- Develop and maintain a backend Python application using SQL-Alchemy to automate fulfilling Amazon orders, which has saved over 25 hours of manual data entry per week, and processes approximately $90,000 in sales per month.
- Administer a MySQL database of Amazon data for analysis projects.
- Develop a Python process to combine all Quality Control audit documents and operating procedures inside of a directory and export those files and their metadata for statistical analysis.
- Balance multiple complex projects while completing tasks 97% on-time, including fixing immediate software problems within four hours of discovery.
- Generate NACHA files using QAD data, and automate sending invoice remittances via email, via a Flask web application. Overall, this process saves PBE's finance team about 6 hours per week.
- Create and document a RESTful API to automatically process and load sample product orders via a company WordPress website directly into Microsoft Dynamics CRM.

Principle Business Enterprises: Pricing and Data Analyst **June 2017 – Oct. 2018**

- Analyze consumer and sales data using techniques such as market basket analysis, LASSO regression, ARIMA, and random forest to provide predictions on consumer preferences and sales forecasting.
- Write an R library to analyze the impact of Amazon pricing on product demand, with the goal of determining an optimal pricing strategy.
- Use Python, Django, Microsoft Dynamics CRM, and Progress OpenEdge database to make a web application that reduced the manual uploading of pricing into QAD from an average of 5-10 hours a week to 20 minutes a week and automated the exportation of pricing contracts.

Owens Community College: Applied Mathematics Tutor **Aug. 2016 – Sep. 2018,** *Perrysburg, OH*

- Provide quality tutoring for students in all possible Owens Community College mathematics classes, ranging from introductory college algebra to Calculus III.
- Instruct statistics students in how to use the R programming language for statistical analyses.

Old Dominion University: Information Technology Lead **Jan. 2014 – May 2016,** *Norfolk, VA*

- Use Clonezilla to image on-campus computers and administer network issues using CMD.
- Assist students with internet and intranet connection issues, printing troubleshooting, and hardware and software malfunctions.

EDUCATION

Old Dominion University **Aug. 2016,** *Norfolk, VA*

Bachelor of Science in Applied Mathematics

Bachelor of Arts in History

- GPA: 3.87/4.0 overall, 3.72/4.0 in Applied Mathematics, 3.92/4.0 in History

References available upon request

SKILLS

Programming Languages:
Python
SQL
R
JavaScript
C#
Bash
HTML/CSS

Python packages:
Flask
SQL-Alchemy
Pandas
numpy
Django
Requests
gevent

JavaScript packages:
Vue
jQuery

Software:
Git
GIMP
MySQL Workbench
Vim
MS Office Suite
Clonezilla
Tableau

About me:
I am sincere, hardworking, and eager to learn new programming languages and work collaboratively.