

Matthew Horan

Python Data Engineer

Profile

Experienced Developer and Data Analyst | Proficient in Python, C#, C++, JavaScript, and VBA | Skilled in SQL Server Management, Microsoft Access| GitHub Enthusiast

Employment History

Attest Health Care Advisors

January 2022 — Present

Software Development and Efficiency Enhancement: Designed a user-friendly form using C# to quickly access various programs across the network for time efficiency and organization. Developed C# code for integration of 64-bit functionality of Access VBA code. Implemented a C# program for efficiently updating goals and accomplishments in an Excel spreadsheet. Data Management and Tools Creation: Enhanced data management with a C# tool for sorting, deduplicating, and alphabetizing table names in Notepad. Developed a C# Installer program, allowing users to create unique copies of Access databases and allow for multiple users. Comprehensive Data Processing: Developed a comprehensive C# program that utilized programming logic for searching, extracting, and formatting client data from multiple Excel files. Access Database Development: Created a new Access database for efficient and multi-user conflict-free management of an Excel Tool I built. Modified the appearance of many forms, imported macros, and added functionality through VBA and Access tools. Quality Assurance and Inspection: Conducted thorough inspections of Access databases and VBA code according to QA Guidelines. Skill Development and Training Completed an Intensive course for Microsoft Access. Efficiency Through Automation: Automated my monthly expense report creation and sending related emails containing attachments with an Excel Macro. Continuous Learning and Skill Enhancement: Became proficient in JavaScript and C++, building a website and developing personal programs.

Laboratory-Lab Technician at NELSON

January 2014 — Present

Data Analytics: Orchestrated projects following Lean principles, including providing crucial input to develop a Lean council. Ensured accuracy and attention to detail through lab functions, including formulating liquid medium and operating lab machines. Selected to take on specialty requests due to subject matter expertise. Spearheaded the snapshot and production tracker overhaul as a go-to resource with Excel spreadsheets. Enabled up to 40% more data collected while also boosting accuracy and eliminating redundancies.

Education

Details

(801) 889-8116
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Links

[linkedin](#)

Skills

- Machine Learning
- Data System
- Information Management
- Business Intelligence
- Big Data
- Data Infrastructure
- Public Health
- Scalability
- Data Pipelines
- Matplotlib
- SciPy
- NumPy
- Vital Statistics
- Advanced Analytics
- Data Science
- Survey Research
- Program Evaluation
- Data Analysis
- Cascading Style Sheets (CSS)
- Automation
- Amazon Web Services
- Technical Support

Project Management

Python (Programming
Language)

Github

Data Collection

Problem Solving

Collaboration

SQL (Programming
Language)

Visualization

Web Services

Microsoft Office

Communications

Written Communication

Research

Presentations

Data Visualization

BigQuery

Agile Software Development

Debugging

Data Processing

Sorting

Microsoft Access

Software Development

Microsoft Excel

Database Development

Integration

Quality Assurance

Macros

JavaScript (Programming
Language)

Data Management

Visual Basic For Applications

Management

Analytics

Boosting

Languages

English