**Patrick Wickliff**

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**Summary**

Focused and reliable professional with over nineteen years of hands on experience in analyzing complex data to meet business demands. Regular use of strong verbal and written communication to effectively disseminate information to internal and external trading partners.

**Technical Skills**

**Languages:** Python, R, JavaScript, HTML, SQL, Unix scripting

**Applications:** GitHub, MongoDB, PostgreSQL, Tableau, Flask

**Tools:** Excel, Access, Pandas, Jupyter Notebook

**Work Experience**

**BUSINESS ANALYST** 2/2019 to 3/2020

**ICU Medical**  Austin, TX

* Supported changes and enhancements to Oracle based systems from development through production; recommended and implemented system enhancements (e.g., screen appearance and setup testing) using SQL.
* Developed new program specifications to support specific customer needs and system upgrades, including new releases and resolved problems with current systems.

**BUSINESS ANALYST - Lead** 7/2015 to 1/2018

**Seton Family Health** Austin, TX

* Planned and implemented activities required for the collection and analysis of data related to departmental business needs, including the development of data collection systems.
* Maintained specific departmental data collection systems (e.g., databases and spreadsheets).
* Developed and ran complex queries and developed data collection spreadsheets with pivot tables and dashboards to support area decision-making.

**MANAGER - Data Integrity/Analytics & Reporting** 10/2013 to 9/2014

**Superior Health** **Plan** Austin, TX

* Mentored and managed a team of data analysts of variable skill and practice levels.
* Hands on development/reporting using TOAD for Oracle, SQL server, MS Access and MS Excel.
* Verified data on incoming monthly EDI X12 834 Enrollment files.

**MANAGER - Software Engineering**  7/2011 to 9/2013

**MAXIMUS** Austin, TX

* Performed advanced analysis work, evaluated data for trends, correlations, and abnormalities to promptly identify and explain critical issues and probable outcomes.
* Planned, organized and directed the work of multi-disciplinary individuals.
* Created EDI X12 HIPAA 834 Medicaid Enrollment files sent to HHSC trading partners.

**DATA ANALYST III**  1/2010 to 6/2011

**Superior Health** **Plan** Austin, TX

* Provided advanced analytical support for business operations in all or some of the following areas: HHSC claims, provider data, member data, and external reporting.
* Model data using MS Excel, MS Access, SQL, and/or other data warehouse analytical tools.
* Verified data on incoming monthly EDI X12 834 Enrollment files.

**SENIOR ENGINEER - Software Engineering**  9/1997 to 12/2009

**MAXIMUS** Austin, TX

* Reviewed, analyzed, designed and maintained company database along with supporting ETL processes.
* Initiated and monitored transmission of data files received to and from HHSC and various state entities via Secure File Transfer Protocol (SFTP).
* Served as lead for maintenance/updates/processing of the EC Gateway/MAP products for EDI X12 HIPAA 834 file translations.
* Coded extensively using UNIX scripting in support of a proprietary relational database.

**Projects**

**Belly-Button-Diversity** | [**https://github.com/pwickliff1/Belly-Button-Diversity**](https://github.com/pwickliff1/Belly-Button-Diversity)

* Interactive dashboard that explores the [Belly Button Biodiversity dataset](http://robdunnlab.com/projects/belly-button-biodiversity/), which catalogs the microbes that colonize human navels.
* Role: Sole author
* Tools: Javascript, Plotly, D3

**Citi Bike Analytics** | [**https://tinyurl.com/y3vorcu9**](https://tinyurl.com/y3vorcu9)

* New York analytics on the largest bike sharing program in the United States.
* Role: Sole author
* Tools: Tableau

**Weather Web Visualizations |** [**https://pwickliff1.github.io**](https://pwickliff1.github.io)

* The purpose of this project was to analyze how the weather changes as you get closer to the equator. To accomplish this analysis, we first pulled data from the OpenWeatherMap API to assemble a dataset on over 500 cities.
* Role: Sole author
* Tools: Python requests, APIs, and JSON

**Education**

**Certificate, Data Analytics**

University of Texas, Austin Austin, TX

**A.A.S., Computer Programming**

Austin Community College, Austin Austin, TX

**Computer Science**

University of Texas, Austin Austin, TX