MARK D. CRUSE

2312 Lakeside Drive
Lexington, Kentucky 40502
(859) 576-0092
https://waywardmark.com

OBJECTIVE

Highly motivated data analyst with 10 years of experience in data cleaning, analysis, and visualization. I am seeking a challenging role to leverage my skills in Python, SQL, and Tableau, developing data-driven solutions that improve user experience and drive business growth.

COMPUTER SKILLS

- Python
- SQL

- Javascript
- Web design (HTML & CSS)

- Database design
- Tableau

ACHIEVEMENTS

Led a collaborative effort with diverse stakeholders, including the University of Kentucky Institutional Effectiveness Assessment team, the UK Canvas administration team and the University of Central Florida - Open Source group, to streamline document extraction processes. Collaborated on permissions and flags with the Canvas team and utilized the Python library, CanvasAPI, from the UCF Open Source group. **Result:** Developed a highly efficient and scalable solution, improving the handling of student assignments and enhancing the assessment processes. Demonstrated expertise in bridging internal and external collaboration, showcasing a significant boost in operational efficiency and comprehensive evaluation capabilities.

Effectively executed complex data extraction, transformation, and loading processes using advanced Python and SQL skills, with SAP HANA as the core data source. Designed and implemented efficient ETL procedures with a focus on seamless compatibility with Tableau. **Result**: Processes contributed to streamlined workflows and significantly enhanced data accuracy and accessibility for Tableau-based analytics.

Team technical lead for the implementation of the University of Kentucky Institutional Research and Advanced Analytics first generation of interactive web pages. Coordinated data gathering efforts, designed Tableau workbooks and dashboards, and created Drupal web pages. Organized and created information for project review meetings. **Result:** University of Kentucky student data related to applicants, enrollment, degrees awarded, demographics, and retention, is provided to university stakeholders and the public in an interactive web based environment.

EDUCATION

B.S., Computer Information Systems	1987	Western Kentucky University	Bowling Green, Kentucky
M.S., Digital Mapping	2019	University of Kentucky	Lexington, Kentucky

EXPERIENCE

University of Kentucky - Strategic Planning & Institutional Effectiveness   2017 - 2021
Business Data Analyst

Provided data solutions to the office and network of college programs across the campus. Designed, implemented, and maintained interactive reports and visualizations using Tableau. Wrote complex SQL query statements for data reporting and designed data structures as needed. Transformed complex data sets into more easily used data for analysis. Produced reports and visualizations to provide valuable insight needed to make business decisions.

University of Kentucky - Graduate School, Lexington, Kentucky   2015 - 2017
Informatics Analyst

Provided data solutions to the Graduate School, senior administration, and network of graduate academic programs across the campus. Led groups in developing solutions to complex problems by providing data related to recruitment, admissions, funding, student success, graduate program quality metrics, and the graduate education strategic plan. Designed, implemented, and maintained interactive reports and visualizations using Tableau. Wrote complex SQL query statements for data reporting and designed data structures as needed.

University of Kentucky Analytics and Technologies, Lexington, Kentucky   2014 - 2015
STEPS Analytics Developer, Advanced Analytics Team

Designed and created Tableau dashboards and workbooks for university stakeholders to consume data related to student enrollment, degrees conferred, retention, and more. Designed interactive web pages embedding Tableau dashboards for consumption by the public on the Institutional Research & Advanced Analytics website. Lead a bi-weekly Introduction to Tableau and data analytics training class.   Maintained department Drupal website.

Commonwealth Office of Technology, Frankfort, Kentucky   2009 - 2011
Systems Engineer IT

Team Lead for the Commonwealth of Kentucky UNIX Server Support Team. Managed the daily priorities of team members. Advised administration & state agencies on the procurement and implementation of UNIX systems. Team liaison with state agencies, state disaster recovery team, computer systems security team, systems storage team, and virtual systems team.

Kentucky Secretary of State, Frankfort, Kentucky   2005 - 2009
Systems Consultant IT

Managed the daily activities of the IT staff and priorities. Supervised the development of in-house computer software development. Advised administration in computer best practices, computer systems and software procurement. Recommended, implemented, and managed the offices migration from several physical computer servers to a single physical server with multiple virtual server environments. Participated in the design, development, and administration of agency websites.

Kentucky Secretary of State, Frankfort, Kentucky   2000 - 2005
Systems Engineer IT

Managed computer server systems including: file servers, SQL databases, web server, and email server. Wrote SQL stored procedures to extract business entities and UCC filing records on file with the Commonwealth of Kentucky. Maintained the data file formats and descriptions for online data access by authorized subscribers. Managed computer networks, network components, and security. Installed, and upgraded desktop PCs.