Joseph Ellis

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SUMMARY

Data analytics professional with experience in business development and solutions implementation for the public K-12 education sector. Proven ability to problem-solve and communicate solutions that deliver valuable information to drive organizational decisions, while being a liaison between school and community stakeholders and technical experts.

- Attention to detail
- Cross-functional collaboration
- Effective communication
- Creativity
- Customer service
- Multitasking
- Problem solving
- Positivity
- Work ethic

EDUCATION

William & Mary, Raymond A. Mason School of Business   Expected August 2022
Master of Science, Business Analytics

Virginia Polytechnic Institute and State University   May 2004
Bachelor of Arts, Economics

EXPERIENCE

New Kent County Public Schools, New Kent County, VA
Supervisor of Accountability and Assessment   July 2021 – Present
- Developed custom Power BI report to analyze state-mandated standardized testing – approximately 90% reduction in time required for teachers to understand their students' performance
- Developed interactive mapping application to provide division leadership with rezoning enrollment analysis ahead of opening new elementary school – approximately 90% reduction in time required to zone current students
- Developed web application to track employee COVID-19 vaccination status – saved thousands of dollars by forgoing the purchase of vendor-supplied software

Newport News Public Schools, Newport News, VA
Supervisor of Instructional Data   July 2017 – June 2021
- Facilitated the school division's Student Discipline Task Force to examine current disciplinary practices
- Enacted proactive discipline data analysis and reporting procedures – 7% decrease in disciplinary infractions resulting in student suspension
- Established early literacy data monitoring and student goal setting protocols
- Developed student-centered data dashboard resulting in improved reading comprehension – 85% of students showed growth over the school year

ADDITIONAL INFORMATION

Leadership
- Newport News Public Schools Advanced Leadership Team
- Co-chair of Newport News Public Schools Student Discipline Task Force
- Theta Xi, Beta Omega Chapter Treasurer and Membership Educator

Technical Skills
- Microsoft Excel: pivot tables, data model, Power Query, Power Pivot, Visual Basic for Applications
- Microsoft Power BI: DAX queries and expressions, publishing to app service and report server
- Microsoft Azure: creating and managing application resources such as databases and APIs
- R programming language: data analysis and reporting using R Markdown and Shiny web applications
- SQL: writing queries for Microsoft SQL Server and MySQL databases
- C# programming language: writing console and web applications
- Web development: HTML, CSS, JavaScript