

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. Seeking a fast-paced entrepreneurial environment to leverage my data analysis skills to deliver impactful results for a private sector organization.

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

Newport News Public Schools, Newport News, VA

Supervisor of Instructional Data

July 2017 – Present

- 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

Newport News Public Schools, Newport News, VA

August 2015 – July 2017

Secondary Mathematics Instructional Coach

- Programmed custom Microsoft Excel add-in using Visual Basic for Applications allowing for improved analysis of state assessment data
- Focused instructional remediation efforts on student weaknesses to improve student performance on state assessment retakes – 20% improvement in percentage of students passing the assessment

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