

James M Beam

I am a professional leader with more than five years of experience with quantitative analysis who has a track record of being a systemic thinker bringing about positive change.

Professional Experience

Mathematics Department Chair and Engineering Teacher

Garrison Forest School | Owings Mills, MD

2015 - Present

- Lead a team of 14 Pre-K through 12 mathematics instructors.
- Recruit and retain high quality instructors.
- Manage approximately \$7500 of school budget annually.
- Provide statistics, calculus, and data analysis Instruction to approximately 60 students annually.
- Support E4USA engineering education community of practice as a coach teacher.
- Represent faculty as member of school board of trustees.

Mathematics and Information Technology Department Chair

Sollers Point Technical School | Dundalk, MD

2012 - 2015

- Lead a team a 6 high school mathematics, computer science, and networking teachers.
- Recruit and retain high quality instructors and para-professionals.
- Coordinate pre-service teaching program partnership with the University of Maryland Baltimore County.
- Extern at NASA Goddard Spaceflight Center - Programming - Laser Interferometry.

Education

Master of Business Administration

Villanova University | Villanova, PA

2020 - Present

- Concentrations in Quantitative Analysis and International Business

Master of Science - Applied Mathematics

University of Maryland Baltimore County | Catonsville, MD

2012

- Concentration in Optimization

Bachelor of Science - Mathematics, Philosophy

John Carroll University | University Heights, OH

1996

Professional Memberships

- Society for Industrial and Applied Mathematics
- National Council of Teachers of Mathematics
- American Society for Engineering Education
- Engineering for Us All - Community of Practice

Contact Information

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Skills

Mastery:

- Microsoft Excel
- Multivariate Calculus
- Linear Algebra
- MATLAB
- Team Leadership
- Public Speaking

Experienced:

- R/R Studio
- Tableau
- Data Science/Quantitative Analysis
- Fiscal Management
- Java
- C++
- HTML
- Wordpress
- Desktop Publishing

Emerging:

- Broadband Compensation Strategies
- Microsoft Power BI
- Machine Learning
- Institutional Leadership
- Mentoring
- International Business
- JavaScript
- Computer Networking

Novice:

- Engineering
- Articulate 360
- PHP
- MySql
- Webserver Architecture

“Every problem currently has a solution.

It’s just probably not a good one.”

(James M Beam)