

**MARK J. FASANO**  
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**EDUCATION**

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New Jersey Institute of Technology, College of Science and Liberal Arts Newark, NJ  
**Doctoral Candidate, Applied Mathematics** **GPA: 3.94**  
Area of Research: Fluid dynamics, Mathematical Modeling  
▪ CFSM Webmaster (<https://cfsm.njit.edu>) and Vice President of NJIT SIAM Chapter

American University, College of Arts and Sciences Washington, D.C  
**Bachelor of Science, Mathematics** **GPA: 3.97**  
▪ Graduated Summa Cum Laude in May 2020  
▪ Member of National Society of Collegiate Scholars

**INTERCOLLEGIATE ATHLETICS**

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▪ Member of American University Division I Men's Varsity Soccer Team August 2016-May 2017  
    ○ Devoted 30+ hours per week to games, meetings, practices, weight training, and traveling while balancing a full course load  
    ○ Gained valuable leadership and team building skills

**EXPERIENCE**

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**Financial Advisory Intern**, Sontag Advisory, New York, N.Y. June 2019-August 2019  
▪ Worked with colleagues to form a better understanding of holistic wealth management  
▪ Managed the rebalancing of portfolios after on natural deviations from the original model  
▪ Created Excel spreadsheets to help advisors quantify the arbitrage received from using a mortgage to finance real estate purchases

**Mathematics Tutor/Grader**, American University, Washington, D.C. August 2018-May 2020  
▪ Facilitated the learning of other students in mathematics and statistics courses through the American University Math/Stat Lab  
▪ Worked with students who frequently returned for additional help in future weeks  
▪ Assisted in creating homework solution sets and graded work for Pre-Calculus Classes  
▪ Helped evaluate the work done by students in Complex Analysis Classes

**Mathematics Tutor**, Outcome Tutoring, Washington D.C. January 2018-June 2019  
▪ Facilitated the learning of other students in mathematics and statistics through a tutoring company set up by current and former students of AU and Georgetown University  
▪ One of the first tutors when the company expanded to include American University

**Athletic Communications Department**, American University, Washington, D.C. January 2017-May 2017  
▪ Cooperated with two other coworkers to digitalize the athletic departments record book and create a digital record book of data spanning a 50 year period  
▪ Formed constructive, positive relationships with other peers as well as the heads of the athletic department

**LEADERSHIP EXPERIENCE**

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**Coach**, Player Progression Academy, Washington, DC March 2018-June 2018  
▪ Head Coach for soccer teams of elementary school children  
▪ Created, organized and ran practices for three different age groups: 2<sup>nd</sup>, 6<sup>th</sup>, and 8<sup>th</sup> grade

**Chairman**, Graeme Preston Foundation for Life, Freehold, N.J. March 2015-August 2015  
Ran the Graeme Preston Foundation for Life's 8<sup>th</sup> annual Memorial Soccer Marathon  
▪ Organized and facilitated a soccer marathon with over 45 teams and 1500 participants  
▪ Assisted in fundraising over \$30,000 USD by overseeing all operations of the event

**SKILLS**

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Computer Languages/Programs: Matlab, Comsol, Python, Microsoft Office