

RYAN M. BORRUSO

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EDUCATION

Purdue University, College of Engineering, West Lafayette, IN Class of 2029
GPA: 3.69 / 4.0

First Year Engineering courses: Multivariate Calculus; Linear Algebra/Differential Equations; Physics - Modern Mechanics; Engineering - EPICS, Chemistry, Computer Science - Programming for Engineers

Arts courses: Theatre Production, Collegiate Band I - Trumpet, Written and Oral Communications

South Side High School, International Baccalaureate Diploma, Rockville Centre, NY June 2025
GPA: 101.9 / 100

ACT: Superscore 34 (Math 35, Science 35)

EXPERIENCE

Children's Educational Demonstrations Project Team, EPICS, Purdue University August 2025 - Present

- Visuals Team Lead. Assisting in design, creation and installation of scientific model of "mini-tornado" to be installed at The Children's Museum of Indianapolis utilizing Python, Excel, Autodesk Fusion 360 and MATLAB.

Theme Park Engineering and Design, Purdue University August 2025 - Present

- Theming Design Team Lead for 3D Roller Coaster - assisting in development of an accurate, functioning, and interactive model roller coaster utilizing SolidWorks.

Purdue University Department of Theater, Purdue University August 2025 - Present

- Scenic Carpenter, *Horse Girls*, *Snow and Galinthis*- craft custom and innovative scenic elements for authentic theatrical use. Gained experience in rough carpentry, framing, constructing load bearing structures and facade development. Meeting the needs of the production by reading and implementing production draftings and participating in load-ins and strikes.

Drama Guild, South Side High School

Integral member of ten school productions in various crew, cast and musician roles. September 2021 - June 2025

- Supervisory Scenic Constructor for productions including *Newsies*, *Matilda*, *Urinetown* and *Clue*. Supervised and coordinated a team of students to construct and rig stage scenery. Delegated tasks based on skill level and project deadlines by interpreting production draftings, design specifications and lighting drawings. Utilized equipment such as screw guns, table saws, chop saws and jigsaws.
- Stage Manager for *Pride and Prejudice*, *Peter and the Star Catcher* and *Clue*. Managed the productions, including being the primary point person for cast, crew and director. Created and designed multiple blocking sheets for scenes, documented staging changes throughout the production. Responsible for cueing show, calling lighting, sound and stage changes while leading the stage crew to maintain efficient and safe standards through the entire production.
- Musician, Trumpet, Flugelhorn, and Cornet for *Newsies* and *Matilda*
- Dramaturg, *Newsies*
- Cast Member "Bobby the Stockfish," *Urinetown*

AWARDS, HONORS AND LEADERSHIP

Laurel Award, South Side High School's Highest Honor, Awarded at Graduation June 2025

Larry Waxman Art Changes Lives Scholarship, Awarded based on innovative pursuit of arts in engineering June 2025

All-State Musician, New York State School Music Association December 2024

Metropolitan Youth Orchestra, Manhasset, New York September 2022 - June 2025
Trumpet Soloist, Carnegie Hall, *Brasil*, By Ary Barroso (Arr. John Wasson) May 2024

SKILLS

SolidWorks, Autodesk Fusion360, Python, Excel, C, MATLAB, Scenic Carpentry