

RYAN M. BORRUSO

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EDUCATION

Purdue University, College of Engineering, West Lafayette, IN

Class of 2029

Major: Multidisciplinary Engineering - Theatre Engineering Concentration

Cumulative GPA: 3.67 / 4.0

Courses Taken: Multivariate Calculus; Linear Algebra/Differential Equations; Physics - Modern Mechanics; Engineering - EPICS; Chemistry; Computer Science - Programing for Engineers; Written and Oral Communications; Theatre Production
Courses in Progress: Thermodynamics; Basic Mechanics; Intro to Drafting, Rigging, and Scenic Construction; Project Planning for the Stage; Production & Design Seminar; Graphics for Civil Engineering and Construction

South Side High School, Rockville Centre, NY

June 2025

GPA: 101.9 / 100 International Baccalaureate Diploma Recipient

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 (TPED), Purdue University

August 2025 - Present

- Theming Design Team Lead. Assisting in development of a functioning and interactive 3D model roller coaster utilizing SolidWorks. Led theming team in ideation, development, and integration of immersive elements for coaster. Ensured cohesive implementation of upper-chassis and theming elements with other sub teams.

Purdue University Department of Theater, Purdue University

August 2025 - Present

- Scenic Carpenter. *Horse Girls, Snow, Galinthias and Our Town*. Crafting 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.

Technical Theatre Work, South Side High School's Drama Guild

September 2021 - June 2025

Integral member of ten school productions in various crew, cast and musician roles.

- Supervisory Scenic Constructor for various productions. 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 various tools and equipment
- Stage Manager for various productions. Managed the productions, including being the primary point person for cast, crew and director. Created and directed 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.

SKILLS

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

AWARDS, HONORS AND LEADERSHIP

Deans List and Semester Honors, Purdue University

August 2025 - Present

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