# YASH JOSHI

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Driven undergraduate engineering student with advanced coursework in mathematics and physics, a passion for solving problems & learning, and a good understanding of **CAD** software. Looking forward to work in collaborative teams working on innovative projects. Seeking to learn more about **Process Optimization** and **Control Systems** through an internship or a co-op opportunity at an esteemed company.

## EDUCATION

**PURDUE UNIVERSITY**, West Lafayette, IN                    Expected Graduation May 2029
B.S. in Engineering - First Year Program (Intended Major: Mechanical Engineering)
Academic Standing: Sophomore

- Coursework**:** Linear Algebra; Geometric and Annotation Modeling; Introduction to C Programming; Vertically Integrated Projects (VIP); Critical Thinking and Communication II

**NEUQUA VALLEY HIGH SCHOOL**, Naperville, IL                    August 2021 – May 2025
High School Diploma, Magna Cum Laude

- Coursework**:** Calculus 3 (Dual Credit College Course from University of Illinois Urbana-Champaign); AP Calculus BC (with a 5 on the AP Exam); AP Physics C Mechanics (with a 5 on the AP Exam); AP Physics C Electricity & Magnetism (with a 5 on the AP Exam); AP Chemistry (with a 4 on the AP Exam)
- Honors & Awards: AP Scholar with Distinction, Illinois Spanish Seal of Biliteracy

## EXPERIENCE

- Purdue Lunabotics: drivetrain sub-team member working on designing and manufacturing drivetrain system for NASA Lunabotics competition
- American Society of Mechanical Engineers (ASME):
  - Executive Board Member (Purdue chapter): working with fellow board members to organize events and projects for a 300+ member organization
  - Racing Team Member: working to design a YASA Axial Flux Motor into an electric go-kart
- STEAM Dream Organization: designed and 3D printed K through 12 STEM learning kits
- Hobby Projects: developed an obstacle detecting miniature car along with a 3D printed chassis; 3D printed various household utility items; Musical transcription program

## SKILLS

- Autodesk Fusion, Solidworks, Siemens NX, Ansys, Aras Innovator, FDM 3D Printing, Arduino, C/C++, Python3