

Vishnu Srinivas

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SKILLS

Programming Experience

- Java
- C/C++
- Scheme (LISP)
- Excel
- Matlab
- Arduino
- Python
- Labview
- OpenGL

3D Skills/Experience

- Siemens NX
- Solidworks
- Autodesk Fusion 360
- Blender
- Game Asset Development
- Optimization for 3D printing

Clubs and Hobbies

- Pi Tau Sigma Vice President
 - o ME Honor Society
- Purdue Quiz Bowl
 - o Former Vice President
- Intramural quarterback
- Guitarist/lead singer in band
- Cyclist

Objective

Dual ME/CS candidate for Purdue undergraduate awards

Education

Purdue University

West Lafayette, IN

May '24

Bachelor of Science in Mechanical Engineering & Computer
Science (Graphics & Visualization Track), Minor in Mathematics
3.77/4.0 GPA, Dean's List 7x, Semester Honors 7x

Employment Experience

Test Engineering Intern

Zipline International

May '23 – Aug '23

- Worked to validate components for under-development drone docks
- Built testers, gave design feedback, and programmed control systems
- Received competitive return offer, will begin full-time in Summer '24

Systems Engineering Intern

GE Aviation

May '22 – Jul '22

- Designed, automated, and carried out testing of pneumatic valves
- Also contributed to new valve design and shop floor process efficiency

Undergraduate Teaching Assistant

Purdue ECE

Jan '23 – Present

- Lead Electrical Engineering Fundamentals Lab section
- Draw from personal experience and projects to help teach concepts

Academic Tutor

Purdue Athletics

Jan '22 – Dec '23

- Tutored student-athletes in math, ME, EE, MA, and CS courses
- Emphasize intuition and reasoning over formulas/memorization

Technical Clubs & Awards

PSP Liquids Structures

Purdue Space Program

Sep '21 – Dec '23

- RE (Responsible Engineer) for liquid rocket avionics raceway
- Previous work includes designing software for COPV filament winder

PSPE Chain React (Rube-Goldberg) Team

Purdue Society of Professional Engineers

Aug '21 – May '22

- Designed and built a complex Rube-Goldberg Machine
- Coordinated and worked hands-on with ~20 teammates

Sophomore Design 'Best Project' Winner

ME 263

Aug – Dec '21

- Designed and built Arduino-controlled automated knife cleaner
- Team of four recognized and awarded by industry panelists