

Preston Yang

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EDUCATION

University of Oklahoma

Norman, OK

Bachelor of Science in Mechanical Engineering, Minor in Physics | GPA: 3.3

May 2027 (Expected)

- **Relevant Coursework:** Fluid Mechanics, Solid Mechanics, Physical Mechanics, Physical Mathematics, Thermodynamics, Electromechanical Systems, Design & Manufacturing Processes, Modern Physics for Engineers

Moore Norman Technology Center

Norman, OK

Engineering Computer Aided Design and Drafting | GPA: 4.0

May 2022

Web Design, Web Scripting Foundations | GPA: 4.0

May 2021

EXPERIENCE

Private Math and Physics Tutor

Aug 2022 – Present

- Delivered 10+ hours of tutoring for 3-5 students weekly in courses such as Ordinary Differential Equations, Biotransport, and Solid Mechanics
- Developed tailored study plans to accommodate individual learning styles, ensuring deep comprehension and long-term retention of complex concepts
- Employed a variety of teaching techniques, including visual aids, real-world applications, and guided problem-solving exercises to strengthen students' analytical and critical thinking skills

Front End Checkout Team Associate, Walmart

May – Aug 2025

- Processed 100+ customer transactions daily while identifying and resolving any operational issues, including pricing discrepancies and technical malfunctions
- Mentored and trained two new associates on company protocols and customer service best practices, reducing their onboarding time and enhancing overall team productivity
- Adapted quickly to high-volume demand in a team of 15+, consistently upholding service and operational standards

PROJECTS

Medical Device Make-A-Thon, University of Oklahoma | SolidWorks

Feb 2025

- Designed and iterated a specialized fin attachment for a lower-limb prosthetics to facilitate swimming during a 48-hour national competition
- Applied rapid prototyping and iterative design principles to develop a functional solution, incorporating feedback from mentors in the medical and engineering fields
- Presented the final device design backed by research and its proposed clinical application to a panel of judges

Electric Guitar & Amplifier | AutoCAD, Autodesk Inventor

July 2024

- Directed the product development cycle from concept to digital prototype, conducting research on materials, ergonomics, and components to predetermined specifications
- Generated a comprehensive bill of materials and 2D technical drawings with standard dimensions and tolerances
- Modeled and assembled complex 3D components (resistors, capacitors, potentiometers) to form a digital prototype

TECHNICAL SKILLS

CAD & Mechanical Design: Autodesk Inventor, AutoCAD, SolidWorks, Revit

Programming & Analysis: MATLAB, Python, LaTeX, C

Software & Tools: Adobe Photoshop, Microsoft Office Suite, HTML/CSS

AWARDS & CERTIFICATIONS

- **Six Sigma Yellow Belt Certification**, Coursera Aug 2025
- **OSHA 10-hour General Industry Safety and Health Certification** Feb 2022
- **Award of Excellence Regents Tuition Waiver**, University of Oklahoma Mar 2022
- **5th in Nationals, Fundamentals of Web Design**, Business Professionals of America (BPA) May 2021