

KATE MORGAN

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EDUCATION

Stanford University

Stanford, CA

Bachelor of Science Candidate: School of Engineering, Design: Physical Manufacturing

2026

Minors Candidate: Theater and Performance Studies

2026

Relevant Coursework: Visual Thinking, Intro to Solid Mechanics, Mechanics of Materials, Design and Manufacturing, Foundations of Product Realization, Graduate Needfinding, Product Design Methods, Business Design, Theater and Performance Making.

ENGINEERING & DESIGN EXPERIENCE

Designer, Temple St Clair Jewelry – Summer Internship

New York, NY 2025 & 2026

- Designed couture jewelry concepts with Temple St Clair's CEO; contributed sketches and prototypes for pieces now advancing to pre-production.

Designer & Construction – Treasure Chest

ME 203 Stanford 2025

- Executed full manufacturing cycle including tooling setup, fixturing, casting, and finishing for welding, sand casting, and woodworking. Details available at katemorgandesign.com

Design & Construction – Mechanical Theater

ME 102, Stanford 2025

- Designed and manufactured a falling-weight, deadbeat-escapement mechanism powered miniature theater; built custom pulleys, bevel-gears, and motion-translation systems for synchronized scenic rotation. Details available at katemorgandesign.com

VP of Merchandise & Designer

Stanford Pi Beta Phi 2024

THEATER EXPERIENCE

The Lion King on Broadway – Production Intern

New York, NY 2024

Front of House, Stage Management, Hair & Makeup, Carpentry, and more. Hands on work with the Puppets department including drawing specs for a custom manufactured piece currently in use.

Direction & Adaptation *Macbeth*

Stanford Shakespeare Co. 2026

Special Effects Design and Fight Choreo *Hamlet, Prince of Denmark*

New York, NY 2025

Actor and Special Effects Design *Hamlet, Prince of Denmark (as Rosencrantz)*

Nitery Mainstage, Stanford 2025

Member of Stanford Improv Six show cycles

Stanford 2025

Stanford Shakespeare Company

Stanford 2023-25

- Roles: SFX Design (Henry IV), Assistant Set & Hair/Makeup (Romeo & Juliet), Graphic Design (Twelfth Night), Fight Captain & Asst. Choreo / SFX (Titus Andronicus ...and Zombies!), Lighting Design (Taming of the Shrew). Details available at katemorgandesign.com

OTHER EXPERIENCE

Stanford Varsity Women's Water Polo

Stanford 2022-24

- NCAA National Champion 2023

Selected for BOSP Abroad Program in Florence

Stanford, Fall 2024

- Studied art history and Florentine literature as well as a drawing class at the Florence Design Institute.

SKILLS

Technical: Fusion 360, welding, sand-casting, lathe, mill, 3D printing, silicone molding, carpentry, mechanical design.

Design: Figma, sketch ideation, visual storytelling, user research, needfinding, emergent interviewing, prototyping.

Theater: Special effects makeup, props creation, lighting design, fight choreography, scenic mechanics + automata.

Other: Water polo & swim coaching (Ages 5-22), Improv, reading & writing cursive, public speaking.