

Jessica Lee

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Graduate student with a background in mathematics, digital fabrication, and technical education.

EDUCATION

- **Cornell University** Ithaca, NY
M.S. in Design Technology; Expected 2028 2026 – Present
- **Harvard College** Cambridge, MA
B.A. in Mathematics September 2021 – May 2025
 - **Relevant Coursework:** MATH 55, MIT: How to Make (Almost) Anything, SCI 6478: Informal Robotics
- **Bergen County Academies** Hackensack, NJ
Academy for the Advancement of Science and Technology September 2017 – June 2021

EMPLOYMENT AND EXPERIENCE

- **Harvard University** Cambridge, MA
Teaching Assistant August 2025 – May 2026
 - **MATH21A/21B:** Multivariable Calculus & Linear Algebra and Differential Equations. Provided 1:1 support to 40+ students. Collected and analyzed student performance data for math education research.
 - **PHYSICI70:** Intro to Digital Fabrication. Taught weekly lab, hosted office hours, ran hands-on workshops.
 - **Fabrication Specialist:** Designed and manufactured 3D models for math instruction.
- **Mathnasium Learning Center** Newton, MA
Assistant Center Director January 2026 – March 2026
 - : Designed individualized math curricula for 300+ students (K-12), improving assessment scores and retention.
- **Harvard Physics 90R Supervised Research (Sept 2024 – Dec 2024):** Developed a device for object-plane detection using electromagnetic induction.
- **Research Science Institute (June 2020 - Aug 2020):** Conducted research on data-reduction techniques in dynamical systems modeling. Resulting paper was submitted to the Regeneron STS; named **Semifinalist** (2021).
- **MathILy Summer Program (June 2023 - July 2023):** Taught advanced high school students undergraduate-level mathematics and provided detailed written feedback. Supported program operations for a 5-week residential academic environment.
- **AntiDesigns Screen Printing Shop Intern (June 2022 - Aug 2022):** Screen printed apparel and assisted with design preparation and live printing events.
- **BCA Math Team (Sept 2015 - June 2021):** Captained in senior year. Qualified for AIME (7 years consecutively) and Math Prize for Girls (2017–2020). Led weekly lectures and competed in national and international competitions.

ACHIEVEMENTS

- **Harvard Club Sport Athlete of the Year (2025):** Played for Women's Soccer, Women's Lacrosse, Quadball (Captain), Women's Ultimate Frisbee. Contributed to US Quadball National Championship win in 2024.
- **Harvard Cabot House Community Spirit Award (2025):** Competed in intramural sports and served on House Committee.

ACTIVITIES

- **Harvard Radcliffe Varsity Women's Rugby (Oct 2023 – May 2025):** Member of 7s B Squad; contributed to NIRA National Championship wins (2023, 2024).
- **U.S. National Quadball Development Team (June 2022 – Present):** Compete internationally; participated in IQA World Cup Exhibition Match (2023); featured on ESPN Ocho Day (2022).
- **Boston Magic Lab, Performer (Aug 2025 – Present):** Perform in monthly magic shows as a stage and close-up presence. Former president of the **Society of Harvard Magicians**.

SKILLS

- **Digital Fabrication:** CAD, electronics design, soldering, CNC milling, 3D printing
- **Programming:** C++, Python, MATLAB, Java, Arduino
- **Other:** Technical curriculum design, social media management