

Margot Hutchins

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EDUCATION

Stanford University – M.S., Biomedical Data Science

June '25 – June '26

Stanford University – B.S., Mathematics, minors in Biology, Chemistry

Sep '21 – Sep '25

Advanced Math and Computer Science: Computational Algorithm Design, Decision Making Under Uncertainty, Probability Theory, Advanced Statistics, Data Structures, Linear Algebra and Matrix Theory, Partial Diff. Equations, Group Theory, Graph Theory, Metalogic, Computability Theory w/ Number Theory, Theoretical Statistics, Mechanics and Special Relativity, Algorithm Design for Molecular Biology

Directed Readings: Markov Chain Monte Carlo, Number Theory, Set Theory

Oxford University – Term Abroad

Autumn 2024

Coursework: Tutorial in Medical Anthropology, Tutorial in Latin

PROFESSIONAL EXPERIENCE

Research Assistant, Stanford Health Policy

Jun 2024 - Present

Work under Dr. Alyce Adams; developed model to analyze impact of California's prior authorization (CA SB 866, 282) policies on medication choice and time to treatment for breast cancer patients; studying medical financial assistance

Research Assistant, Dr. Anna Lembke, Stanford Department of Psychiatry

Jan 2024 – Present

Work with team of psychiatrists and medical students to understand addicts' experiences in traditional and non-traditional 12 step recovery groups; qualitative coding of patient interviews and 12-Step meetings

Researcher and Lead, Huntington's Outreach Program for Education at Stanford

Jan 2023 – Sep '24

Developed web-scraping algorithm to create database of support groups across America for Huntington's Disease Society of America; presented at conferences hosted at UC Davis and Stanford

Research Intern, Marzamemi Maritime Heritage Project

Summer 2023

Conducted underwater archaeological research in Marzamemi, Sicily; scuba diving 20 / wk; PADI Open Water and Scientific Diver certified; artifact preservation and record-keeping; publicized research for local museum

Lab Assistant, Dr. Avnesh Thakor, Stanford Department of Interventional Radiology

Sep 2022 – Jun '23

Analyzed efficacy of stem cell extracellular vesicles (EVs) as treatment for oxidative stress in lung tissue and glial cells; working on publishing research on stem-cell therapies for Acute Respiratory Disease Syndrome

LEADERSHIP AND COMMUNITY SERVICE

Volunteer, Spiritual Care, Stanford Hospital

Feb 2024 - Present

Weekly volunteering with interfaith Spiritual Care team in Neurosurgery and Transplant wards; help patients process their experience in the hospital and connect patients with spiritual resources

Volunteer Lead, Catholic Leadership Team, Stanford University

May 2023 - Present

Organize volunteer opportunities for undergraduate Catholic community at Palo Alto Opportunity Center and Common Roots Farm in Santa Cruz

ACADEMIC AWARDS AND HONORS

Hoover Institute Distinguished Essay Award, Summer 2023: selected for all-school recognition for an essay analyzing Stalin legal policy using Russian archival material

Boothe Prize Finalist, Spring 2022: essay for school-wide writing requirement selected for recognition on bioethics and genetic modification