

WILLIAM J. SURINGA

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EDUCATION

PRINCETON UNIVERSITY , Princeton, NJ	Aug 2022 - May 2026 (expected)
A.B. Molecular Biology; Minor in History of Science, Technology & Medicine	
Thesis: Epithelial Mechanics and Matrix Remodeling in Hair Follicle Formation	
Activities: Princeton Medical Review Executive Editor, Physics Course Assistant, Peer Health Adviser, Pre-Med Club Officer, Princeton Sailing Team, The Ivy Club	

PROFESSIONAL EXPERIENCE

TAMPA ONCOLOGY & PROTON PRINCETERNSHIP	Jan 2025
<u>Intern</u> Shadowed Dr. Nitesh Paryani for two weeks at Tampa Oncology and Proton, a specialized Radiation Therapy clinic at St. Joseph's Hospital in South Tampa. Gained firsthand exposure to advanced radiation delivery techniques used to treat various cancers.	
LUDWIG CANCER INSTITUTE	Jun 2024 - Aug 2024

<u>Research Intern</u> , Eileen White Lab Utilized a conditional Kras ^{G12D/+} ; p53 ^{fl/fl} (KP) lung cancer mouse model to study cancer cachexia. Characterized whole-body metabolic changes during CCx progression to understand cancer's adipose and muscle loss mechanisms. Conducted experiments to provide insights into metabolic alterations associated with cancer cachexia. Presented findings in a poster show.	
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TUBEROUS SCLEROSIS COMPLEX (TSC) ALLIANCE (NPO)	Jan 2021 - Present
<u>Research Intern</u> , Preclinical Consortium (Jan 2024 - Present) Conducted literature reviews to establish the role of the MEK-ERK pathway in epilepsy and tuberous sclerosis complex, formulated hypotheses, and recommended ERK inhibitors for testing. Developed and presented compound nomination proposals to the TSC Alliance Preclinical Consortium.	

<u>Future Leader Advisory Board</u> , (2021 - 2022, 2023 - present) Organized TSC Walk-Run-Ride events, led a successful T-shirt Fundraiser, and contributed a published article, "Life on the Threshold of Independence," to the International Young Leaders Conference. Achieved semi-finalist status in the TSC Alliance Global Conference Art for a Cure. Pioneered diverse projects like a <i>Perspective</i> magazine article and a TSC Global Awareness Day campaign. Designed video for TSC Awareness Month through the National Step Forward to Cure Planning Committee.	
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VOLUNTEER WORK

PENN MEDICINE ACE CARE UNIT (~50 hours)	Sep 2024
INOVA FAIRFAX HOSPITAL (~200 hours)	Jan - Apr 2022
NATIONAL HONOR SOCIETY SCIENCE & GERMAN TUTOR (~50 hours)	Nov 2021 - May 2022
SOUTH TAMPA MEDICAL CENTER, DERMATOLOGY PRACTICE (~100 hours)	July 2021
TSC ALLIANCE (~100 hours)	2016 - Present

MILITARY SERVICE

U.S. NAVY ROTC, PRINCETON & RUTGERS UNIVERSITY	Mar 2022 - Sep 2023
<u>Midshipman</u> (3/C, 4/C) Completed basic training at the Naval Training Station Great Lakes and earned military clearance for summer training. Balanced Princeton and Rutgers coursework (GPA: 4.00) with military commitments, including physical training and volunteering. Participated in Naval Aviation, Marine Corps, and Submarine Warfare operations; earned top academic and athletic awards among midshipmen.	