

Drew Steindl

My website <https://drewphi.github.io/>

96 Lee Drive, Southington, Connecticut
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<https://github.com/DrewPhi>



Education

VASSAR COLLEGE

AUGUST 2021 – EXPECTED MAY 2025

B.A. PURE AND APPLIED MATHEMATICS, GPA: 3.9

UNIVERSITY HIGH SCHOOL OF SCIENCE AND ENGINEERING

AUGUST 2017 – JUNE 2021

VALEDICTORIAN – PRESIDENT'S UNIVERSITY SCHOLAR AWARD

DEAN'S EARLY COLLEGE AWARD – GRADUATED WITH THE MOST COLLEGE CREDITS OF THE STUDENT BODY

CONCURRENTLY ENROLLED IN THE UNIVERSITY OF HARTFORD

COMPLETED 14 COURSES WHILE IN HIGH SCHOOL

Experience

- **2023 – INDEPENDENT STUDY** - DESIGN AND CONSTRUCTION OF BIOMIMETIC MODULAR ORNITHOPTER TO STUDY EVOLUTION OF AVIAN FEATHERS
- **2023 – VASSAR URSI FELLOWSHIP** – RESEARCH ON HUMANOID ROBOTICS PERCEPTION AND ACTION CUSTOM ENGINEERING – 10 WEEKS – NSF FUNDED – REU
- **2022 – VASSAR URSI FELLOWSHIP** – RESEARCH ON THE GENUS DISTRIBUTION OF TWO-BRIDGE KNOTS – 10 WEEKS – NSF FUNDED – REU

MATHEMATICS COURSEWORK

- NONLINEAR DIFFERENTIAL EQUATIONS
- DIFFERENTIAL TOPOLOGY
- TOPOLOGY
- MATHEMATICAL LOGIC
- MODERN ALGEBRA
- REAL ANALYSIS
- ADVANCED LINEAR ALGEBRA
- NUMBER THEORY
- DISCRETE MATH 1 & 2
- MULTIVARIABLE CALCULUS
- DIFFERENTIAL EQUATIONS

COGNITIVE SCIENCE & COMPUTER SCIENCE

- NEURAL NETWORKS
- AGENT BASED MODELING
- PROBLEM SOLVING AND ABSTRACTION
- ENGINEERING AND COMPUTER APPLICATIONS





SKILLS: JAVA, PYTHON, C++, LABVIEW, DOCKER, NODE.JS, MONGODB, GIT, MATLAB, OPENCV, DEPTHAI, ROS2, MICROROS, ARDUINO, REACT, SVELTE, NVIDIA, 3D PRINTING

CAD: SOLID WORKS, FUSION 360

- CAPTAIN UHSSE 2017-2021 FIRST ROBOTICS COMPETITION FRC - TRAVELING THROUGHOUT NEW ENGLAND
- VASSAR CHEMICAL SOCIETY TREASURER & COMBAT ROBOTICS FOUNDER
- MASS PRODUCTION OF PPE FOR HOSPITALS IN COVID – CLICK ON LINK
- WEBSITE DEVELOPMENT FOR ZION LUTHERAN CHURCH
- WORKED WITH DR. ADAM GOODWORTH AT THE UNIVERSITY OF HARTFORD MAKING A VIDEO GAME TO HELP CHILDREN WITH CEREBRAL PALSY DEVELOP MOTOR CONTROL.
- TA PRINCIPLES OF ENGINEERING

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Awards & Recognition

UHSSE TRINITY BOOK AWARD • 2020 FIRST ROBOTICS DEAN'S LIST AWARD SEMI-FINALIST • CLASS OF 2021 MATHEMATICS SCHOLAR AWARD • HARTFORD SOCIETY OF WOMEN ENGINEERS • UHSSE ROBOTICS AWARD FOUR TIMES • VASSAR FILM FESTIVAL 1ST PLACE

Activities

Mathematics • Robotics • Computer Programming • Music Instruments • HS - Varsity Golf • HS - 1991 Robotics Team Captain - Build-Electrical-Programming-Management • CT Flight Academy • Vassar Chess Club • Math Club • Science Bowl • Model Trains • Table Tennis • Snowboarding • Zion Lutheran Church • Relay for Life • Bread for Life • Trumpet Lessons@Vassar • [Short Films](#) • [Pizza Reviews](#) • Autonomous Robot Design Competition
