# Drew Steindl

96 Lee Drive, Southington, Connecticut
860-539-6528
asteindl@vassar.edu
https://github.com/DrewPhi

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

---

## Education

**VASSAR COLLEGE**                                      **AUGUST 2021 – EXPECTED MAY 2025**
  B.A. PURE AND APPLIED MATHEMATICS, **GPA: 3.9**
**UNIVERSITY HIGHSCHOOL 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 | COGNITIVE SCIENCE & COMPUTER SCIENCE |
|---|---|
| <ul><li>COMPLEX ANALYSIS</li><li>KNOT THEORY</li><li>GEOMETRY</li><li>SPECTRAL GRAPH THEORY</li><li>NONLINEAR DIFFERENTIAL EQUATIONS</li><li>DIFFERENTIAL TOPOLOGY</li><li>TOPOLOGY</li><li>MATHEMATICAL LOGIC</li><li>MODERN ALGEBRA</li><li>REAL ANALYSIS</li><li>ADVANCED LINEAR ALGEBRA</li><li>NUMBER THEORY</li><li>DISCRETE MATH 1 & 2</li><li>MULTIVARIABLE CALCULUS</li><li>DIFFERENTIAL EQUATIONS</li></ul> | <ul><li>NEURAL NETWORKS</li><li>AGENT BASED MODELING</li><li>PROBLEM SOLVING AND ABSTRACTION</li><li>ENGINEERING AND COMPUTER APPLICATIONS</li></ul><br>**SKILLS:** JAVA, PYTHON, C++, LABVIEW, DOCKER, NODE.JS, MONGODB, GIT, MATLAB, OPENCV, DEPTHAI, ROS2, MICROROS, ARDUINO, REACT, SVELTE, NVIDIA, 3D PRINTING<br><br>**CAD**: SOLID WORKS, FUSION 360 |

- **CAPTAIN UHSSE 2017-2021 FIRST ROBOTICS COMPETITION FRC - TRAVELING THROUGHOUT NEW ENGLAND**
- **FOUNDED COMBAT ROBOTICS CLUB AND MATH CLUB AT VASSAR – POST PROBLEMS WEEKLY – COLLABORATION.**
- **VASSAR CHEMICAL SOCIETY TREASURER & COMBAT ROBOTICS FOUNDER**
- **MASS PRODUCTION OF PPE FOR HOSPITALS IN COVID OFF OF SOUTHINGTON GRANT**
- **WEBSITE DEVELOPMENT FOR ZION LUTHERAN CHURCH**
- **CEREBRAL PALSY MOTOR CONTROL VIDEO GAME - WORKED WITH DR. ADAM GOODWORTH – U HARTFORD**
- **TA PRINCIPLES OF ENGINEERING**
- **CREATED DYNAMICAL SYSTEM ANIMATOR WEB APP https://flowplane.vercel.app/ CUSTOM FIXED-POINT ALGORITHM**

# Drew Steindl

96 Lee Drive, Southington, Connecticut

860-539-6528

asteindl@vassar.edu

https://github.com/DrewPhi

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

---

## Continued

## 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 • UHHSE 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

---