

# Starr Wenn (She/Her)

## Aspiring Professor & Theoretical Physicist · Math & Physics Tutor

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### OBJECTIVE

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*Physics and mathematics undergraduate at UC Santa Cruz (dual B.S. candidate, expected 2028) with 3+ years of formal tutoring experience across college programs, private clients, and structured learning centers. Seeking tutoring opportunities to help students build genuine understanding in math and physics while pursuing a long-term career in theoretical physics and academia.*

### EDUCATION

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**UC Santa Cruz** Jun 2025 – Mar 2028 (In Progress)  
B.S. Physics In Progress

**UC Santa Cruz** Jun 2025 – Mar 2028 (In Progress)  
B.S. Mathematical Theory & Computation In Progress

**Cabrillo College** Aug 2020 – May 2025  
A.A. Liberal Arts & Sciences · A.S. Physics · A.S. Mathematics  
Associates for Transfer — completed prior to transferring to UC Santa Cruz  
Activities: ICC Rep for WiSE Club · Intercollegiate Ethics Bowl Team · ICC Rep & Treasurer, Cabrillo Math Group

**Scotts Valley High School** Aug 2016 – Jul 2020  
High School Diploma

## EXPERIENCE

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### Math Tutor

Jan 2026 – Present

Mathnasium · Scotts Valley, CA · Part-time, On-site

- ▶ Deliver structured, curriculum-aligned math tutoring to students across multiple grade levels and skill sets
  - ▶ Adapt instructional strategies to individual learning styles within a dedicated learning center environment
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### Private Tutor

Mar 2025 – Present

Self-Employed · Santa Cruz, CA · Hybrid

- ▶ Support students one-on-one in advanced mathematics and physics via in-person and online sessions
  - ▶ Design custom session plans aligned to course syllabi, exam prep, and individual student goals
  - ▶ Build lasting conceptual understanding rather than rote memorization or formula-chasing
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### Physics Grader

Jan 2026 – Mar 2026

UC Santa Cruz · Remote · Part-time

- ▶ Evaluated and scored homework assignments for an upper-division undergraduate physics course
  - ▶ Identified recurring student misconceptions and documented feedback to support instructional improvement
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### Supplemental Instructor — Physics

Jul 2024 – Jun 2025

Cabrillo College · Aptos, CA · Part-time, On-site

- ▶ Led bi-weekly 1.5-hour group sessions for enrolled physics students, targeting conceptual gaps and problem-solving strategies
  - ▶ Attended all course lectures to align supplemental content directly with classroom instruction
  - ▶ Applied evidence-based Supplemental Instruction methodology, proven to measurably improve student outcomes
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### Math PLUS Tutor

Jan 2025

Cabrillo College · Aptos, CA · Part-time, On-site

- ▶ Facilitated intensive one-week precalculus review courses for students advancing to calculus
  - ▶ Collaborated with Cabrillo math faculty to reinforce foundational concepts and bridge skill gaps
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### MLC Tutor

Mar 2024 – Dec 2024

Cabrillo College · Math Learning Center · Aptos, CA · Part-time, On-site


- ▶ Provided drop-in tutoring at the Math Learning Center, supporting students across all undergraduate math levels
  - ▶ Assisted with courses ranging from pre-algebra through upper-division calculus and linear algebra
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## Math & Physics Tutor — MESA Program

Oct 2023 – May 2024

Cabrillo College · Aptos, CA · On-site

- ▶ Tutored STEM students from underrepresented groups in college-level mathematics (through linear algebra) and physics
- ▶ Covered topics including kinematics, electricity & magnetism, optics, and thermodynamics for engineers
- ▶ Recognized as "Most Helpful Student" by peers at the Cabrillo STEM Center — MESA Dept. Award, 2023

 **MESA Department Award — "Most Helpful Student" 2023**

## Physics Tutor — Cabrillo Physics Department

Aug 2023 – Dec 2023

Cabrillo College · Aptos, CA · On-site

- ▶ Personally recruited by the Physics Department Chair to serve as a PLC tutor
- ▶ Supported students through physics prerequisites and evaluated Physics Learning Activities (PLAs) per California education law

## Guest Services Specialist

Jun 2022 – Feb 2023

Target · Scotts Valley, CA · Part-time


## AWARDS & HONORS


 **James & Elizabeth Broadston Memorial Endowed Scholarship** · Cabrillo College Physics Dept. · May 2025

 **Jim Stakkestad Scholarship for Excellence Endowed Scholarship** · Cabrillo College Math Dept. · May 2025

 **Ted Bowen Memorial Endowed Scholarship** · Cabrillo College Physics Dept. · May 2025

 **MESA Department Award — "Most Helpful Student" 2023** · Voted by peers at Cabrillo STEM Center

 **Certificate of Acceptance — Cabrillo College Honors Transfer Program** · Scotts Valley High School / Cabrillo College · Jul 2020

 **Certificate of Outstanding Academic Achievement — Most Innovative Student in Mathematics** · Scotts Valley High School · Jul 2020 · Recognized for two original papers on personal mathematics and physics questions

## SKILLS

Physics

Mathematics

Linear Algebra

Multivariable Calculus

Classical Mechanics

Electricity & Magnetism

Tutoring

Supplemental Instruction

General Programming

Teamwork

## TUTORING SUBJECTS

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### **MATHEMATICS**

Pre-Algebra · Algebra I & II · Geometry · Pre-Calculus ·  
Calculus I-III · Multivariable Calculus · Linear Algebra ·  
Differential Equations

### **PHYSICS**

Intro Physics · AP Physics 1, 2 & C · Classical Mechanics ·  
Electricity & Magnetism · Waves & Optics ·  
Thermodynamics