

Siliang (Peter) Di

STEM Educator | Curriculum & AI Learning Content Developer | AP Calculus Reader

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PROFESSIONAL SUMMARY

Bilingual STEM educator, curriculum developer, and College Board AP Calculus Reader with 10+ years in education, 9,000+ instructional hours, and 1,000+ learners served. Experience spans mathematics, physics, and chemistry instruction; STEM curriculum, assessment, and content-quality leadership; student advising, and custom AI-supported content workflows.

EDUCATION

Hope International University

Single Subject Teaching Credential Program

Orange, CA | 2024 - 2026

University of California, Irvine

B.S. Chemical Engineering; Minor in Materials Science

Irvine, CA | Jun 2018

Irvine Valley College

A.S.; Honors Program Honoree

Irvine, CA | May 2014

PROFESSIONAL EXPERIENCE

Novel Prep (Immersion Academy)

Part-Time STEM Teacher | Mathematics, Physics & Chemistry

Irvine, CA

Jun 2025 - Present

- **Instruction:** Teach mathematics, physics, and chemistry in a part-time role, including advanced coursework and test preparation.
- **Student Progress:** Use assessment evidence and progress monitoring to provide targeted reinforcement and reteaching.

Academic Director & Lead STEM Teacher (Full-Time)

Mar 2024 - May 2025

- **STEM Curriculum & Quality:** Led curriculum planning, content editing, and final quality review for all STEM courses, including SAT, ISEE, and AP mathematics and science exam-preparation materials.
- **Teacher Recruitment & Development:** Interviewed, screened, and trained 100+ teachers; provided mentoring, classroom strategy feedback, and standards-alignment support.

Independent Curriculum & AI Projects

Curriculum Designer | Educational AI Workflow Builder

Irvine, CA

2025 - Present

- **Curriculum:** Design original mathematics topic sequences, problem sets, worked solutions, teacher editions, answer keys, and assessment resources.
- **AI Workflows:** Build custom education AI agents for drafting, quality review, differentiation, and repeatable instructional production.

The College Board

AP Calculus AB/BC Reader (Seasonal)

Kansas City, MO

2025 - Present

- **Assessment:** Scored AP Calculus AB/BC free-response work during annual readings using official rubrics, calibration, and consistency protocols.
- **Insight:** Collaborated with scoring leaders and fellow readers to resolve scoring questions and identify recurring student misconceptions.

EDUBUS

Lead Teacher, Mathematics & Science

Irvine, CA

Oct 2021 - Apr 2024

- **Scale:** Delivered 2,000+ instructional hours annually across mathematics and science for secondary and university-level learners.
- **Results:** Maintained a 100% AP pass rate, with 80% of students earning scores of 5, through targeted practice and progress monitoring.

IvyMax Education Center

Part-Time SAT/AP Instructor

Irvine, CA

Mar 2020 - Mar 2023

- **Instruction & Advising:** Taught SAT Math and AP Calculus and provided academic and college-application guidance for highly selective universities.

Soteric Academy Private High School

Mathematics Teacher

Irvine, CA

Sep 2021 - Dec 2022

- **Course Design:** Designed and taught Algebra I/II, Geometry, Precalculus, AP Calculus AB/BC, SAT, and PSAT using varied assessments.
- **Collaboration:** Supported department-level curriculum alignment and instructional strategy development.

Crossing Inc.

Operations Administrator

Culver City, CA

Jun 2023 - Apr 2024

- **Operations:** Managed recruitment, HR, budgets, and finance coordination; recruited 20+ employees within six months.
- **Workflow:** Improved cross-functional communication and external stakeholder coordination during rapid growth.

Elite Open School

Class Mentor

Anaheim Hills, CA

Nov 2022 - Jun 2023

- **Student Support:** Monitored digital coursework, provided academic support, and coordinated among students, families, and the online learning platform.

Advanced Academy

Academic Counselor

Irvine, CA

Nov 2014 - Sep 2020

- **Academic Counseling:** Evaluated student profiles and guided families through individualized study-abroad and college planning.
- **Application Support:** Advised on policy interpretation, documentation, best-fit majors, and institution selection.

CREDENTIALS & SKILLS

Credentials: California Single Subject Teaching Credential (2026); California Substitute Teaching Permit (2026); CSET Certificate; AP Certified Instructor;

Harvard Bok Higher Education Teaching Certificate; First Aid/CPR

Technical: Custom education AI agents; AI-supported content workflows; LaTeX; Microsoft Office; Zoom; Microsoft Teams

Languages: English (Full Professional); Mandarin Chinese (Native/Bilingual)