**Divit Rawal**

Irvine, CA 92620 [divitrawal.com](http://divitrawal.com/) [divit.rawal@gmail.com](mailto:divit.rawal@gmail.com)

*Passionate and patient tutor with a strong background in math and science. Experienced in providing one-on-one instruction, creating engaging lesson plans, and tailoring teaching methods to accommodate diverse learning styles and inspire a lifelong love for learning. Committed to making the learning experience enjoyable, impactful, and transformative for every student.*

**EDUCATION**

**UNIVERSITY OF CALIFORNIA, BERKELEY** *Class of 2027*

Intended Major: Physics

**NORTHWOOD HIGH SCHOOL** *Class of 2023*

* National Merit Scholarship Finalist 2023 (awarded to < 1% of students)
* 2nd place Jack Howe Memorial Tournament (2019), Orange County Speech League (2019)
* Organized multiple speaker events and activities as events coordinator for Astronomy Club
* College Coursework
  + Single-Variable Calculus I & II (Chapman University)
  + Intro to Computer Systems, Intro to Business, Intro to Life Sciences, Spanish II (Irvine Valley College)

**WORK EXPERIENCE**

**TUTOR, KAIROS ACADEMICS** *May 2023 - Present*

* Provide one-on-one tutoring to high school students in math and science
* Develop personalized lesson plans and study strategies to address individual student needs and learning styles
* Track student progress and adapt teaching methods to ensure comprehension and academic growth
* **Skills**: adaptability, communication, problem-solving

**RESEARCH INTERN, UCI - DEPARTMENT OF PHYSICS & ASTRONOMY** *Feb 2022 - Present*

* In the lab of Dr. Daniel Whiteson, investigate the use of computational methods in high-energy physics
* Trained and tested neural networks for signal-background classification in high-momentum collisions
* Developing algorithms to investigate simulated decays of heavy particles and their properties, including theorized particles
* **Skills**: Python, TensorFlow, C++, ROOT

**HEAD OF TUTORING, SIMPLEMATH FOUNDATION** *Aug 2021 – Feb 2023*

* Led a team of 11 tutors to provide academic support to children from underserved communities, helping improve their understanding and confidence in math
* Personally tutored 2 students each week, tailoring instruction to meet individual needs and learning styles
* Created and published a series of engaging and informative YouTube videos on key math concepts
* **Skills**: leadership, management, tutoring and instruction techniques

**VOLUNTEER TUTOR, HERITAGE PARK LIBARY** *Apr 2019 – Nov 2022*

* Provided academic support and guidance to students of various grade levels, assisting them with homework assignments, projects, and test preparation
* Developed strong interpersonal skills, building rapport with students and establishing a trusting relationship to enhance learning outcomes
* Worked collaboratively with other tutors and library staff to coordinate schedules, share resources, and optimize tutoring services
* **Skills**: communication, organization, teamwork