

ALEXANDER RICHARDSON

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EDUCATION

University of California, Berkeley
Mathematics Major

2019 - Present
Major GPA 3.9
Cumulative GPA 3.7

Los Angeles Valley College
Mathematics and Physics

2017 - 2019
Cumulative GPA 4.0

RESEARCH EXPERIENCE

NASA Jet Propulsion Laboratory (Pasadena, CA)

02/19 - 08/19

Consortium for Undergraduate Research Experience (Education Office Affiliate)

Operation of 0.6m Telescope at Table Mountain Observatory for high precision Astronomy. Utilized coordinates obtained from the gnomonic projection of the images and data reduction software via Linux to update the ephemerides of 800 celestial bodies submitted to the Minor Planet Center at Harvard.

WORK EXPERIENCE

TA

Euler Circle

06/21-Present

Euler Circle is a mathematics institute for advanced high-school students in the San Francisco Bay Area, due to covid the classes were conducted online which allowed us to cater to interested students non-locally and internationally. Each term we were assigned between 5-7 students who we meet with weekly to work through and discuss their problem sets, in addition, we also help the students write an expository paper on a subject related to the class material.

Tutor

Los Angeles Valley College

03/17 - 04/19

Office (EOPS): One-on-one 30-60 minute appointments with students to assist with Math, Astronomy, Physics.

Office (Math Lab): This office catered to drop-ins. The room would hold up to 40 students and when assistance was needed the student would raise their hand. Topics covered were from Algebra to Differential equations.

Office (STEP): Embedded tutor for Ordinary Differential Equations. Akin to a TA, including recitation and running workshops.

Office (DSP): Hour-long one-on-one appointments with disabilities students. Topics covered Algebra to Calculus.

Actor

Various Productions

2005 - 2017

Member of Actors Equity Association (AEA) and Screen Actors Guild (SAG). Worked in Theatre, Musical Theatre and film. Some highlights: West Side Story (Tony), Rent (Roger), Company (Bobby).

EXTRACURRICULAR ACTIVITIES

Member of Phi Theta Kappa

Center for Community College Partnerships Scholar

Physics Club (LAVC)

Avid Traveler, countries visited: England, France, Italy, Switzerland, Austria, Germany, The Netherlands, Poland, Hungary, Slovenia, Croatia, Bosnia and Herzegovina, Serbia, Macedonia, Greece, Bulgaria, Romania, Norway, Sweden, Finland, Philippines, Mexico, Australia, Ireland

AWARDS

Jack Kent Cooke Scholarship: A national scholarship paying for my education and housing at UC Berkeley.

Hawkinson Memorial Scholarship

Ageton-Pittenger Perpetual Scholarship

LAVC Foundation Scholarship

Sadanand Iyer Scholarship

Chemistry and Physics Department Scholarship

Mathematics Department Scholarship (LAVC)

Monte Toole Scholarship in Engineering

SPECIAL SKILLS

Python, Julia, Excel, Word, LATEX

REFERENCES:

AVAILABLE UPON REQUEST