

William J. Ryan

PRESENT ADDRESS

522 14th ave.
Santa Cruz, CA 95062
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JOB OBJECTIVE

Learn and Research as a Graduate Student

EDUCATION

University of California Santa Cruz, Santa Cruz, CA
Pursuing Bachelor of Physics, June 2021
Pursuing Bachelor of Computational Mathematics, June 2021
G.P.A. 3.56/4.0 as of June 2020

WEBSITE

<https://wjryan.github.io/William-J-Ryan/>

EXPERIENCE

Undergraduate Research	David Williams and Olivier Hervet UC Santa Cruz, CA	2019-Present
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I have analyzed the Blazar Markarian 421 using eleven years of gamma ray data from the Fermi Large Area Telescope. The analysis included spectral model comparisons, light-curve transformations, and Bayesian Block analyses. The end product was a one day binned light curve and a two day binned light-curve with more accurate flux due to computing individual spectrum for each Bayesian Block of the original light-curve. I am currently working on an auto-correlation analysis on each light-curve. A full report of my work can be found on my website above.

Business Manager	Ohana Gymnastics Santa Cruz, CA	Summer 2018-2019
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I was in charge of hiring and training staff, and I built a recreational gymnastics curriculum for ages 5 to 16 in order to revitalize a stagnant program. I increased enrollment from 30 to 130 in three months and pushed the business into the black. In summer 2019 I passed on the responsibilities to a new manager so I could pursue my college education and gymnastics career more rigorously.

College Gymnast	Northern California United CA	2017-2020
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I am a founding Member of Northern California United, a self-funded college gymnastics team competing under NCAA rules and competing against NCAA teams but under the organization GYMact. I competed in my Freshmen, Sophomore, and Junior year and was team captain for all three seasons.

Gymnastics Coach	Ohana Gymnastics and Woodward West Santa Cruz CA and Tehachapi CA	2018-2019
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I coached for Ohana Gymnastics in lieu of managing. And in summer 2018 and summer 2019 I coached athletes ages 10 to 30 at Woodward West action sports camp. I worked with and learned from Olympians Dmitry Bilozerchev, Jason Gatson, Betty Okino, Danell Leva, Jonathan Horton, Brazilian national team member Fabricio Olsson, and Region One's Northern California state Chairwoman Michelle Huffman.

Camp Counselor	Woodward West Tehachapi CA	Summers 2017-2019
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For three summers I counseled male gymnasts ages 10 to 16. For many kids this week long overnight camp is their first time away from home without parental supervision. I made sure they took showers, brushed their teeth, and remained fairly civil human beings.

COMPUTER SKILLS

Proficient programming skills in PYTHON, HTML, and LATEX
Proficient experience in Adobe Photoshop and Adobe Illustrator

HONORS AND AWARDS

Ron Ruby scholarship award for undergraduate research
Dean's Honors List: 2018 Fall - 2019 Spring
All American Award from the College Gymnastics Association in 2019

EXTRACURRICULAR ACTIVITIES

Avid Doodler
Gymnastics
Weight Lifting
Reading, favorite series and books include:

- The *Kingkiller Chronicle* by Patrick Rothfuss
- The *Hyperion Cantos* by Dan Simmons
- *Dictator* by Robert Harris