


Sagada Peñano

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EDUCATION

The University of Chicago

Ph.D. Candidate, Medical Physics

Stanford University, Class of 2022

B.S. Physics ~ Minor in Computer Science ~ Minor in Music

GPA: 3.6

RESEARCH EXPERIENCE

U.S. Naval Research Laboratory, Washington, D.C. — *Summer Intern*

June 2021 - August 2021

Worked under Dr. Luke Johnson to analyze behavior of solitons through an active fiber in order to understand whistler waves in the ionosphere.

UCR Particle Theory Group, Riverside, CA — *Research Assistant*

June 2020 - August 2021

Worked with the Tanedo Group to develop a code that detects kinetic heating of neutron stars from black matter collisions.

Stanford LIGO Group, Stanford, CA — *Research Assistant*

June 2019 - March 2020

Developed machine learning algorithms to decrease Brownian thermal noise in LIGO mirror coatings.

WORK EXPERIENCE

Stanford Physics 41E, Stanford, CA — *Learning Assistant*

January 2020 - March 2020

Helped lead an undergraduate mechanics class targeting minority and low-income students with little or no physics experience.

Mathnasium, Burke, VA — *Math Instructor*

September 2017 - October 2021

Instructor for K-12 kids in math concepts from addition to Algebra II.

SKILLS

Python, C, C++, Git

GROUPS

Health Physics Society (HPS)

American Association of Physicists in Medicine (AAPM)

American Physical Society (APS)