

Ruben Hernandez O'kelly

✉: rhernandezokelly@gmail.com

📞: 505-412-0189

Santa Fe, New Mexico



EDUCATION

Santa Fe High School

Santa Fe, NM, USA

Student

August 2019 - May 2023

CGPA: 3.975

- Coursework in Physics, Mathematics, English and Spanish Literature, and History.

New Mexico Institute for Mining and Technology

Socorro, NM, USA

Student

August 2023 - Present

- Pursuing a BA in Physics.

Australian National University

Canberra, Australia

Student

September 2023 - Present

- Studying in an online Course: XSeries Program in Astrophysics. With a duration of 10 months.

SKILLS

Programming:

Python, C, C++

Developer Tools:

Visual Studio Code, Git

Operating Systems:

Linux, Windows, MacOS

Languages:

Native in Spanish, fluent in English,
Recipient of the Bilingual Seal of New Mexico.

EXPERIENCE

Serious Programming mini-courses

Participant

Dec 2020 – Sep 2023

Santa Fe, NM, USA

- Weekly meetings in which participants honed their programming abilities, as well as mathematics and science with the help of our mentor.
- Worked with Python, Gnuplot, and other open-source software.

EXPERIENCE

Institute for Computing in Research

Participant

July 2023 – Aug 2023

Santa Fe, NM, USA

- The focus of this internship is that the interns create a research project with the help of a mentor who is assigned to them, with the aim of learning material that would be considered advanced.
- My project was based on Game Theory and the Battle of Gettysburg, and formulated on Python.

Mentorships

Granted by the Santa Fe Public Schools

Mentee

Oct 2020 – May 2021, Sep 2022 – May 2023

Santa Fe, NM, USA

- Participated in two mentorships with professionals of their fields
- First Mentorship consisted of learning the basis of Computer science, as well as programming in Python.
- Second mentorship based around physics, especially on the physical basis of the refraction of light in substances.

Research Skills Academy

Co-Founder, Participant

Jul 2021, Jul 2022

Santa Fe, NM, USA; Portland, OR, USA

- Summer camp where students would come together to develop and prepare, with the aid of professionals and mentors, the necessary skills needed to do research.
- Goals: Research skills, academic awareness, soft skills, collaboration, among others. Research Skills Academy.

Model UN

Participant

Aug 2022 – Nov 2022

Santa Fe, NM, USA

- Club in which students participating must research about their elected country member of the UN in order to debate according to their country's political agenda.
- Traveled to the New Mexico State Capitol to debate real-world issues with students from all over the state as to try to find a solution to them.

National Honors Society

Member

Aug 2022 – Present

Santa Fe, NM, USA

- Extracurricular club where students donate their time to give back to their community
- Participated in various events including: Local Blood Drives, Zozobra, etc.

REFERENCES

- **Mark Galassi**, Physicist, Computer scientist mark@galassi.org First Mentorship.
- **Ronald Kwok, Ph D.** Principal Scientist. Polar Science Center, Applied Physics Laboratory, University of Washington, Seattle, WA, rkwok01@uw.edu - Mentor in Second Mentorship.
- **Mitchell Burdorf**, PhD student at Brown University, mitchell_burdorf@brown.edu Mentor in Internship.