



**Daniel
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(he/him)

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📷 Decchiaro

I am currently a student at the **University of California**, Berkeley studying **astrophysics and planetary science**. My current goal is to graduate and pursue research in **stellar evolution** and **planetary science**. With this knowledge, I would like to help **educate the next generation of students** in hopes of gaining more interest in **stellar physics** and the vastness of the universe.

EDUCATION

Associates degree in Physics

Completed my general education while taking the physics series and extensive mathematics.

Grossmont-Cuyamaca Community College 📍

2020 - 2022 📅

GPA:3.7

Bachelors in Astrophysics and Planetary Science

Completing my bachelors by studying stellar physics and cosmology along with earth science to gain a rich understanding.

University of California, Berkeley 📍

2022 - Fall 2024 📅

PROJECTS

Proving the existence of Dark Matter

Using Galaxy rotation and mass data, we were able to prove the gravitational influence that Dark Matter has. Comparing the actual mass of the galaxy to the calculated mass there was a discrepancy of a factor of 10x!

Replicating a supernova shock wave

For our Python class, we were tasked with replicating a supernova blast wave by modeling how the shock wave will expand with time. Using different factors such as energy and density, we could model how the blast radius changes with different parameters.

WORK EXPERIENCE

Shift Manager

Opening and closing the store with the responsibility of four to five employees all while ensuring the quality of food is top notch. Leading my team through countless dinner rushes, gave me a lot of leadership qualities that I use when working collaboratively with fellow students.

📍 Pizza Studio

📅 January 2021 - June 2022

SKILLS & LANGUAGES

Computer

●●○ Python

●●● Matplotlib

●○○ C++

●●○ Latex

●●● Numpy

Positive traits

● Patient ● Critical Thinking ● Leader

● Team Player ● Dedication

PERSONAL INTERESTS

📖 Star Gazing

📖 Playing Chess

📖 Cooking & Baking

📖 Video Games