

MAXIMUS ROJAS

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Specialized my academic expertise, practical application, and research in the field of quantum physics and astrophysics while being at the forefront of extracting the power of technology to create value and deliver real-life solutions.

Educational Highlights

Bachelor of Science in Astrophysics | UCLA 2026 | Research Experience:

Search for Extraterrestrial Intelligence: Theory and Applications (EPSC C179)

- Applied Python for data analysis in the search for technosignatures
- Investigated astrophysical constraints on intelligent life detection

Observing CY Aquarii with UCLA 24" Telescope (ASTRO 180)

- Conducted photometric observations to determine the pulsation period of CY Aquarii
- Reduced and analyzed observational data using IRAF and Python

Technical Skills

- Programming: Python (NumPy, SciPy, Matplotlib, Scikit-Learn, TensorFlow)
- Data Analysis: Machine learning, data visualization, photometric reduction
- Computational Tools: IRAF, Jupyter Notebooks, LATEX, GitHub
- Graphic Design Certification through Miracosta CC | Honors Program
 - See enclosure (1) for professional design work

Work History

Community Social Development | STEM | Program Leader

Various Positions: 07 / 2020 - 08 / 2023

- YMCA of San Diego County
- City of Downey, CA
- Take 1 Academy, San Leandro, CA

Skillsets:

- Youth development and role modeling
 - Educating and inspiring the next generation on the basics of physics and code

References

Luis Hernandez
Tuan Do

Prior Employer (YMCA)
Astrophysics Professor

(619) 396-3014
tdo@astro.ucla.edu

SharkByte Design

sharkbytedesign.studio

ENCLOSURE (1)
BY MAXIMUS ROJAS
TAKE A BYTE!

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Profile *Max is a graphic design hobbyist who works in developing high-quality digital works with specialized focus in creating original brand profiling, web design and video production.*

Education *University of California, Los Angeles (UCLA)*
Degree: Bachelor of Science in Astrophysics

Certifications *Graphic Design Certification through Miracosta CC | Honors Program*
ADOBE SUITE: Photoshop | Premiere Pro | Illustrator | InDesign | XD

Professional Highlights



Director of Design - RPGStreet

Logo design and art direction for Discord enabled web game. Project in collaboration with Ian Atkins.
<https://www.rpgstreet.com/>



Logo and Branding - Zuma Innovations and InSpec

Provided logo designs and supplemental templates for website
<https://www.zumainnovations.com/>



Production Manager - Pokey and Gumby Music Video for Music Composer Christy Coobatis

Led design team in storyboarding, film shooting, finalized video files to publish and promote online.
<https://www.youtube.com/watch?v=ugoxEyoZ0o>

Reference:

Karl Cleveland	Media Arts Professor	kcleveland@miracosta.edu
Min Choi	Media Arts Professor	mchoi@miracosta.edu

Work & Volunteer

Community Social Development, STEM, and Safety Unit Leader

- **Parks & Rec** City of San Diego | Aug 2025 - Current
- **YMCA** of San Diego County | Jun 2022 - Aug 2023
- **City of Downey**, CA | Jun 2021 - Aug 2021
- **Take 1 Academy**, San Leandro, CA | Jul 2020 - Aug 2020

Skillsets:

- Youth development and role modeling
- Educating and inspiring the next generation on the basics of physics and code

