

# Yanina López Bonilla

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📁 [YaninaLopezBonilla.github.io](https://github.com/YaninaLopezBonilla)  
🌐 [YaninaLopezBonilla](#)

## Education

2017 - Currently **Bachelor in Physics with specialization in Astronomy**, *Universidad de Valparaíso*, Valparaíso, CL

## Teaching Experience

**Assistant Professor in Lineal Algebra**, *BSc. in Mathematics and BSc. in Biology/Chemistry course*, First Semester, 2019

## Research Experience

June, 2020 – **Research Assistant**, *Long-term variability in Be stars: features of the outer disks*, Valparaíso, CL, led by Prof. Dr. Catalina Arcos  
Currently Investigation project FONDECYT N° 11190945

August, 2020 – **Research Assistant**, *Quiescence State of Dwarf Novae*, Valparaíso, CL, led by Prof. Dr. Nikolaus Vogt  
Currently

## Conferences/Schools

1 – 2 November, 2020 **Talk: Desarrollo de programa automatizado para obtención de mediciones en líneas espectroscópicas**, *V Workshop Anual del Instituto de Física y Astronomía (IFA UV)*, Online, CL

## Programming and Language Knowledge

- **Programming Languages:** Python
- **Languages:**, Spanish (Native), English (Fair)

## Developed Programs

**Program of automatic normalization and baricentric correction for spectroscopic lines**, *Developed in Python for any line of the spectrum from FITS files and TXT files.*

**Program of normalization customizable for the user**, *Adaptation of the program below for any line of the spectrum from FITS files and TXT files.*

**Program to generate period variation from GAIA alert data**, *Developed in Python to generate and modify phase curves from light curves using DAT files.*

## Outreach Activities

September, 2021 – **Scientific Monitor**, *"Astronomy and Physics Workshops for SENAME Family Residences in the Valparaíso Region"*, Valparaíso, CL, led by Prof. Dr. Catalina Arcos  
Currently ESO MIXED-COMMITTEE ORP036