

ROWAN NAG

West Lafayette, IN · nag5@purdue.edu · (650)-289-8167 · <https://rowannag.com>

EDUCATION

Purdue University

BS Planetary Science, Applied Physics *GPA: 3.5*

West Lafayette

August 2022 - Present

EXPERIENCE

Inspirit AI

Student

June 2020

- Made an NLP (natural language processing) model to filter out false information in news articles.
- Presented the model to an audience over zoom
- Gained experience with Keras, numpy, and word2vec

TheCoderSchool

Summer instructor / counselor

Palo Alto, CA

Summer 2018 - Summer 2019

- Taught programming languages to children from elementary school to middle school. This included Scratch, Python, and web languages (HTML, CSS, JS).

Purdue Space Program - Satellite Division

Ground Station Lead

Present

- Organizing design of the ground station required to launch PSP's Cubesat project.
- Coordinating with other subteams working on the project
- Organizer for the MOP (Missions, Operations, Planning) github

Planetary Science Society of Purdue (PSSP)

Outreach Coordinator

Present

SKILLS

Programming Languages:	Very experienced in Python, Javascript, React., Novice at Keras, Java, and others.
Ansys STK:	ANSYS STK Certified - Level 1
3D Printing:	I've built and am experienced using 3D Printers, including slicing & CAD software.
Microsoft Excel:	Proficient with using Excel to manage data. Novice with scripts.

PROJECTS

Astrophotography

<https://www.instagram.com/rowan.nag/>

I've done amateur astrophotography since 2020. This requires use of equipment like refractor telescopes, motorized equatorial mounts, and special software.

Programming Projects

<https://github.com/Rowan-Nag> | <https://rowannag.com>

Programming projects related to web development, backend management, games, etc. I know Python, React, Html/CSS, and more. I've used Firebase, Vercel, Unity, Wordpress, Metamask, & more.
<https://rowannag.com>.

Undergraduate research

Starting Fall 2023, I've begun undergraduate research. This involves using PICASO and other tools to analyze phase curves of planetary transit.