



H. Ryott Glayzer

Detail-Oriented Physics
Student with Linux Experience

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🌐 <https://ryott.gay/>

Media Profiles

🐙 ryottmp3
GitHub

🌐 h-ryott-glayzer
LinkedIn

Skills

Data Analysis	Python 3
Collaboration with Others	Proficiency in Research
Attention to Detail	Linux Sysadmin

Interests

Physics	Music
GNU/Linux	Open Source

Certifications

General Laboratory Safety
Certification
SD Mines

Radiation Safety Certificate
SD Mines
January 2024

Publications

The Cave Chronicle

6 installments of a monthly
magazine

SDYA Legislative Recap
July 2023

🌐 <https://sdya.org/zines>

Languages

English Native Speaker	Lakota Beginner
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Open source advocate and Linux system administrator with a background in data analysis and particle astrophysics research.

Professional Experience

South Dakota Mines

Undergraduate Researcher/Lab Assistant
Jan 2022 - Present

🌐 <https://www.sdsmt.edu>

- Write and implement code aiding in the search for Dark Matter
- Perform Data Analysis on Radon Emanation and Mitigation Systems
- Sub-contracting on assay work for the LZ and SuperCDMS Dark Matter Experiments
- General research and maintenance work in a particle physics laboratory
- Collaborate with fellow researchers across the globe

The Cave Collective

Audio-Visual Specialist/Youth Board Member
Jan 2020 - Jul 2022

- Plan, record, and edit the "Story and Song" Series of Video Podcasts
- Manage audio-visual communications in a live setting
- Create and manage visual media for the non-profit's social media accounts
- Spearhead the Cave's magazine, the Cave Chronicle
- Attend Board meetings and collaborate with coworkers

Formal Education

South Dakota Mines

Particle Astrophysics

🌐 <https://www.sdsmt.edu>

- General Study in the field of physics with a focus in particle dark matter, physics beyond the standard model, and astrophysics.
- Currently a part-time student with an undergraduate research position.

Aug 2021 - Present
Bachelor's Degree

Projects

South Dakota Youth Activism

Director of Publications

🌐 <https://www.sdya.org/>

- Organized and Managed a team of volunteers to create and publish magazines, posters, and brochures
- Negotiated prices with printers

Feb 2023 - Aug 2023

Volunteering

Rapid City

Gutter Shows Promoter
Jun 2021 - Present

- Social Media Management
- Manage live music events
- Network with artists in both the local and national music scene

KTEQ-FM

Radio DJ

🌐 <http://www.kteq.org/>

- Create playlists to air over the radio
- Host a weekly Radio show

Nov 2020 - Jan 2023

References

Mary Haan

Former Mentor, Cave Collective

Dexter Carmen

Former Mentor, Cave Collective

Richard Schnee

Employer, SD Mines

Richard.Schnee@SDSMT.edu