

# Josh Elsarboukh

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GitLab: glass-ships

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## Summary

Scientific software developer seeking opportunities in research.

## Education

University of Colorado, Denver  
Bachelor of Science in Physics, 2020

## Skills and Languages

- Python
- Docker
- Git
- Linux, Windows
- Bash scripting

## Experience

- **Super Cryogenic Dark Matter Search** - Research Assistant (Jan 2018 - Present)

*The Cryogenic Dark Matter Search (SuperCDMS) is one of several collaborations performing experiments to directly detect weakly interacting elementary particles and thus understand the nature of the dark matter.*

- Dockerized analysis environment for JupyterHub deployment
- Build debugging for legacy data processing software
- Migrated software repositories to GitLab from self-hosted GitBlit server

- **Diana HEP** - Diana Fellow (Dec 2019 - June 2020)

*The primary goal of DIANA/HEP is to develop state-of-the-art software tools for experiments which acquire, reduce, and analyze petabytes of data.*

- Initial implementation of Awkward arrays as target language for Kaitai Struct

- **Glass Ships** - Live and recording musician (2012 - Present)

- Audio recording and engineering
- Production, mixing and mastering