Allison Crossland

✉ allifc@uw.edu   ⚙ AllisonCrossland

EDUCATION

Bachelor of Science, Astronomy & Physics   **Sept 2020 - present**
University of Washington   *Seattle, WA*

RESEARCH EXPERIENCE

Undergraduate Research Assistant   **Oct 2022 - present**
Astronomy, University of Washington   *Seattle, WA*
Advisor: Eric C. Bellm
- Conducted a search for self-lensing signatures in non-interacting compact binaries
- Wrote python code to analyze a set of 2000+ lightcurves with identified bright pulses

PUBLICATIONS

A. Crossland, E. C. Bellm, C. Klein, J. R. A. Davenport, et al., *A Search for Gravitational Self-Lensing Binaries with the Zwicky Transient Facility,* in preparation.

PRESENTATIONS

First Results from a Search for Gravitational Self-Lensing Binaries   **Seattle, WA**
with the Zwicky Transient Facility   *May 2023*
Undergraduate Research Symposium (Talk, upcoming)

First Results from a Search for Gravitational Self-Lensing Binaries   **Seattle, WA**
with the Zwicky Transient Facility   *Jan 2023*
AAS 241 Meeting (Poster)

LEADERSHIP & VOLUNTEER EXPERIENCE

Women+ in Physics at UW   **Nov 2022 - present**
Outreach Officer   *Seattle, WA*
- Helped organize professional development and community events for students of marginalized gender in physics

Supporting Women+ in Physics Conference   **April 2023 - present**
Lead Volunteer Coordinator   *Seattle, WA*
- Working with faculty organizers to help provide a workshop to support students of marginalized gender in physics

SKILLS

- Python
- LaTeX
- SQL
- Data Reduction and Photometry
- Acquiring Optical Data at a Telescope
- Remote Telescope Observing

UPPER-LEVEL ASTRONOMY COURSES

- Astronomical Data Analysis
- Astronomical Observation
- High-Energy Astrophysics
- Stellar Observations and Theory
- Astrostatistics and Machine Learning
- Python for Astronomy

GPA in Astronomy and Programming Courses: 3.77