

# Alexander Messick

PHD STUDENT · DEPARTMENT OF PHYSICS AND ASTRONOMY

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## Education

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### Washington State University

PHD PHYSICS AND ASTRONOMY

- Advisor: Dr. Vivienne Baldassare

Pullman, WA

Aug, 2019 - present

### Florida State University

BS UNDERGRADUATE DEGREE

- Minor in Applied Mathematics

Tallahassee, FL

Aug, 2015 - May, 2018

### Northwest Florida State College

AA UNDERGRADUATE DEGREE

Niceville, FL

Aug, 2014 - May, 2015

## Professional Experience

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| 2021-present | <b>Graduate Research Assistant</b> , Physics and Astronomy, WSU |
| 2020-2021    | <b>Graduate Teaching Assistant</b> , Physics and Astronomy, WSU |
| 2019-2020    | <b>Graduate Research Assistant</b> , Physics and Astronomy, WSU |
| 2018-2019    | <b>Learning Assistant</b> , Northwest Florida State College     |
| 2018-2019    | <b>Substitute Teacher</b> , Okaloosa Count School District, FL  |
| 2016-2018    | <b>Tutor</b> , Tallahassee Community College, Learning Commons  |

## Publications

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### IN PREP

X-Ray Analysis of Optically Variable Low-Mass AGN Candidates

## Awards, Fellowships, & Grants

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- 2021 **LSSTC Data Science Fellowship**, The LSST Corporation

## Presentations

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### CONTRIBUTED PRESENTATIONS

**Messick, A**, Vivienne Baldassare. 2021. An X-Ray Analysis of Low-Mass AGN Candidates. Contributed talk: Black Holes Across Space and Time (BLAST) Workshop, New Haven, CT.

**Messick, A**, Vivienne Baldassare. 2022. X-Ray Detection in Low Mass AGN Candidates. Poster presentation: Quasars and Galaxies through Cosmic Time.

## Teaching Experience

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- Summer &  
Fall 2020, **Physics 102 Lab**, Teaching Assistant  
Spring 2021

## Research Experience

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### **Washington State University - Dept of Physics and Astronomy**

ADVISOR: DR. VIVIENNE BALDASSARE

*Pullman, WA*

*Aug. 2020 - Present*

### **Washington State University - Dept of Physics and Astronomy**

ADVISOR: DR. MATTHEW DUEZ

*Pullman, WA*

*2019-2020*

## Outreach & Professional Development

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### SERVICE AND OUTREACH

2021-  
present     **Physics for Inclusion in Science**, President

### DEVELOPMENT

**Black Holes Across Space and Time (BLAST) Workshop**, a review of current research of black holes from multiple disciplinary vantage points, at which I gave my first contributed talk.

**Quasars and Galaxies through Cosmic Time**, which highlighted recent discoveries in galaxies, supermassive black holes, and their evolution, at which I presented my first poster.

### PEER REVIEW

Monthly Notices of the Royal Astronomical Society, Junior Peer Review