ZACH LEWIS

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PROFESSIONAL SUMMARY

Undergraduate student at the University of Pittsburgh comfortable with intermediate Python and introductory C++ and Root. Has done research and is expecting publication on galaxy evolution.

EXPERIENCE

RESEARCH ASSISTANT WITH DR. TAE MIN HONG

University of Pittsburgh / Pittsburgh, PA / January 2019 - April 2019
Worked with ROOT and C macros to analyze particle collisions in the ATLAS Detector at the Large Hadron Collider.

RESEARCH ASSISTANT WITH DR. RACHEL BEZANSON

University of Pittsburgh / Pittsburgh, PA / May 2019 - Present
Investigated a mass-gas phase metallicity relation in the LEGA-C survey, along with dust extinction adjustments.

EDUCATION ASSISTANT

Experience Children's Museum / Erie, PA / February 2016 - January 2019
Created and performed demonstrations of scientific phenomena and principles, and led science-based camps for children aged 5-9. Also worked in customer service positions intermittently.

PROJECTS

MASS - METALLICITY RELATION

Investigation of the mass-metallicity relation using the LEGA-C dataset, in collaboration with Dr. Rachel Bezanson and Dr. Brett Andrews of the University of Pittsburgh.

EDUCATION

HIGH SCHOOL DIPLOMA

McDowell High School / Erie, PA / 2018 / 4.395 GPA

BACHELOR OF SCIENCE IN ASTRONOMY AND PHYSICS

University of Pittsburgh / Pittsburgh, PA / 2022

SKILLS

INTERMEDIATE PYTHON / BEGINNER C++ / PUBLIC SPEAKING