

Jakayla Robinson

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[Linkedin Profile](#)

PROFFESIONAL PROFILE

Highly ambitious and self-motivated individual with interest in applying scientific methods to a self-sustainable and advanced society.

EDUCATION

BACHELOR OF SCIENCE | UNIVERSITY OF ALABAMA AT BIRMINGHAM

Major: Physics | Applied physics concentration

Minor: Mathematics

Study Abroad, UAB Aachen, Germany (May 2018)

Completed coursework studying the evolution and impact of engineering materials starting from the prehistoric use of materials to the sustainable materials of tomorrow.

Gained an in-depth understanding of cultural variation and gained experience understanding different perspectives of European citizens

Developed beginner level German/Dutch language speaking skills through regular communication with residents

SKILLS & ABILITIES

SOFTWARE:

Matlab

Python

Microsoft Office (Word, Excel, PowerPoint)

IDL

Mathematica

JavaScript

HTML/HTML5

CSS

LANGUAGES:

German

RESEARCH EXPERIENCE

GRAD-MAP WINTER WORKSHOP PARTICIPANT | UNIVERSITY OF MARYLAND, COLLEGE PARK | 01/2019 | Mentor: [Matej Malik](#)

Conducted a research project to observe spectral emission of rocky exoplanets with the James Webb Space Telescope

Scientific Computing workshop with Python

Visitation and hands on experience with radio astronomy at Green Back Observatory

(National Science Foundation) STUDENT INTERN | [SETI INSTITUTE](#) | 07/2018-08/2019 |

Mentor: [Matthew Tiscareno](#)

Conducted photometric analysis from images of Saturn's rings taken during the Cassini mission using IDL/Python programming and optics knowledge

Presented results among scientist and fellow research students and at the American Astronomical Association Division of Planetary Science Conference

STUDENT LAB ASSISTANT | WALLACE TUMOR INSTITUTE | 12/2015-12/2016 | Mentor:

[Lyse Norian](#)

Assisted PI researching in development and implementation of experiments renal cell carcinoma on and its causes

Responsible for over 350+ lab mice in the facility on a weekly basis with minimal to no supervision

Entered and analyzed data recorded on the weight of the mice based on various diets including high-fat and low-fat plans

WORK EXPERIENCE

BANQUET SERVER | MOUNTAIN BROOK COUNTRY CLUB | 12/2018-CURRENTLY EMPLOYED

Performed all tasks of setting up for weddings and private parties

Maintained a sanitary atmosphere for guests by thoroughly preparing and maintaining work areas

Manage and delegate tasks to banquet staff

Utilized customer service and communication skills while serving corporate partners and at family gatherings

STUDENT ASSISTANT | UAB ELECTRICAL AND COMPUTER SCIENCE ENGINEERING DEPARTMENT | 01/2018-5/2019

Assists professors and IT department in the development, implementation and evaluation of programs, performance standards of computers, and inventory

Assist students needs during senior lab projects and various activities throughout the semester

ASSISTANT MANAGER | ATTIC PLUS STORAGE | 05/2016-05/2017

Maintain and send weekly and monthly reports to the home office using Microsoft Word, Microsoft Excel, Microsoft Outlook and Internet.

Explain the rental lease to customers in a knowledgeable and accurate manner. Be able to answer any questions regarding the rental lease or company policies/procedures.

Ability to process customer payments, move-ins, move outs and transfers using company software on the computer.

Presentations, Proceedings, and Papers

Robinson, Jakayla (2019). [Photometry of Giant Propellers in Saturn's Rings](#). Poster session presented at UAB Expo, Birmingham, Al. *2nd place winner*

Robinson, Jakayla, Tiscareno, Matthew (2018). [Photometry of Giant Propellers in Saturn's Rings from Close range Cassini Images](#). Oral session presented at the National Society of Black Physicist Conference, Columbus, Ohio.

Robinson, Jakayla, Tiscareno, Matthew (2018). [Photometry of Giant Propellers in Saturn's Rings from Close range Cassini Images](#). Poster session presented at the AAS Division of Planetary Science Meeting. Knoxville, Tn.

Robinson, Jakayla (2017). [Riding the Plasma Wave: Interstellar/planetary travel through Magnetic Reconnection and Flux Transfer Events](#). Poster session presented at the American Physical Society April Meeting. Columbus, Ohio.

VOLUNTEER EXPERIENCE

Jones Valley Teaching Farm | April 2019 | <https://jvtf.org/who-we-are/>

McWane Science Center Engineering Week | February 2019 | <https://www.mcwane.org/event/engineering-showcase-5/>

Rise Against Hunger | Nov 2018 | www.riseagainsthunger.org

The Birmingham Chapter of the American Association of Blacks in Energy (AABE) Energy Awareness Fair | Oct 2018 | <https://www.aabe.org/index.php?component=pages&id=652>

UAB Into the Streets-Rufner Mountain | Oct 2018 | <https://ruffnermountain.org/>

Camp CSI Counselor | June 2016 | <https://www.uab.edu/cas/criminaljustice/camps/camp-csi>

KaBOOm! Playground build at Hemphill Elementary | Oct 2014 | <https://kaboom.org/>

LEADERSHIP EXPERIENCE

SECRETARY & EVENT COORDINATOR | AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS (AIAA)

PROGRAMS & FUNDRAISING COORDINATOR | NATIONAL SOCIETY OF BLACK ENGINEERS (NSBE)

OTHER CAMPUS ORGANIZATIONS

Women in STEM

Astronomy Club

Off-Campus Student Services

Black Student Awareness Committee

