

MADISON MILLER

mjm98756@gmail.com

(928) 575-6260

Current

1003 S. Halliburton
Kirksville, MO 63501

Permanent

1816 Joshua Avenue
Parker, AZ 85344

A senior computer science major with a passion for artificial intelligence, specifically with a keen interest in how AI could be used in more creative fields such as art or music

EDUCATION

Bachelor of Science in Computer Science
Truman State University, Kirksville MO

Expected Graduation: Spring 2021
GPA: 3.29 / 4.00

Relevant Coursework

- Object-Oriented Programming and Design
- Systems Programming
- Computing Structures
- Data Structures and Algorithms
- Computer Architecture and Organization
- Embedded Systems

Clubs and Activities

- *TruOutdoors* *Fall 2019 - Present*
A club dedicated to do outdoors activities, most commonly backpacking and hiking
 - Treasurer, *Spring 2020 - Present*
- *Missouri Louis Stokes Alliance for Minority Participation Program* *Fall 2019 - Present*
A program to ensure success to students of minority students by providing academic support and funding research opportunities
- *Ronald E. McNair Post-Baccalaureate Achievement Program* *Fall 2017 - Present*
A program to prepare students for Graduate School through a combination of research opportunities and personal development seminars

EXPERIENCE

- Oregon State University Research Assistant* *Summer 2020*
Remotely assisted with ongoing research relating to robot comedian performances, contributing to software development for enhancing a robot's gestures/movement and performing with robots
Research Advisor: Dr. Heather Knight
- Truman State University Teacher Assistant* *Fall 2019*
Assisting Dr. Ian Lindevald in the Physics Department to grade papers for Physics 195
- McNair Independent Research Proposal Internship* *Summer 2019*
Independently studied Neural Networks and how they could make music based on an emotional keyword that would be given by the user and created a proposal that will be followed up at a later date. Research mentor: Dr. Garvey
- Truman State University Research Assistant* *Spring 2018 - Spring 2019*
Worked with Dr. Edis in the Physics Department to make a Python simulation of balls in bins to examine certain elements of entropy, more specifically the effects of time reversal in our model

RESEARCH PRESENTATIONS

Miller, Madison J., (2019, September). *Algorithmic Composition using Neural Networks and Keyword User Inputs: A Research Proposal*. Oral presentation presented at the Heartland McNair Research Symposium, Kansas City, MO.

Miller, Madison J., (2019, May). *Algorithmic Composition using Neural Networks and Keyword User Inputs: A Research Proposal*. Oral presentation presented at the end of the INDV 360 McNair Summer Research Internship I, Kirksville, MO.

TECHNICAL SKILLS

- *Software/Languages:* Python, C, C++, Java, ADA, MIPS

- *Miscellaneous*: Calculus, Statistics

SOFT SKILLS

- Presentation, Analysis, Organization, Creativity

MADISON MILLER

funding research opportunities

A junior computer science major with a keen interest in how AI could be used in creative fields such as art or music.

PERSONAL INFORMATION

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Kirksville, MO 63501
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SKILLS

- *Software/Languages:* Python, C, C++, Java, ADA
- Great Presenter

CLUBS AND ACTIVITIES

TruOutdoors

Spring 2020 - Present

A club dedicated to do outdoors activities, most commonly backpacking and hiking

*Missouri Louis Stokes Alliance for
Minority Participation Program*

Fall 2019 - Present

A program to ensure success to students of minority students by providing academic support and

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EDUCATION

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Clubs and Activities

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- *Ronald E. McNair Post-Baccalaureate Achievement Program* Fall 2017 - Present
A program to prepare students for Graduate School through a combination of research opportunities and personal development seminars

EXPERIENCE

Truman State University Teacher Assistant Fall 2019 - Present

Worked with Dr. Edis in the Physics Department to make a Python simulation of balls in bins to examine certain elements of entropy, more specifically the effects of time reversal in our model

RESEARCH PRESENTATIONS

Miller, Madison J., (2019, September). *Title of your presentation*. Oral

Truman State University, Kirksville MO
GPA: 3.24 / 4.00

Relevant Coursework

- Computer Architecture and Organization
- Embedded Systems

Assisting Dr. Ian Lindevald in the Physics Department to grade papers for [course](#)

McNair Independent Research Proposal Internship Summer 2019

Independently studied Neural Networks and how they could make music based on an emotional keyword that would be given by the user and created a proposal that will be followed up at a later date. Research mentor: Dr. [Name](#).

Truman State University Research Assistant Spring 2018 - Spring 2019

presentation presented at the Heartland McNair Research Symposium, Kansas City, MO.

Miller, Madison J., (2019, May). *Title of your presentation*. Oral presentation presented at the end of the INDV 360 McNair Summer Research Internship I, Kirksville, MO.

TECHNICAL SKILLS

