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**Chelsie Boodoo**



EDUCATION

**Michigan State University (MSU)**: *(East Lansing, MI June 2018 - Present)*

-In progress: Ph.D. in Biosystems and Agricultural Engineering

**Florida International University (FIU)**: *(Miami, FL May 2017)*

-Bachelor of Science in Biomedical Engineering; Minor: Chemistry


LANGUAGE SKILLS

Fluent in English and Spanish; Partially fluent in Hindi and American Sign Language



RESEARCH EXPERIENCE

**MSU Graduate Research Assistant** *(East Lansing, MI July 2018 – Present)*

**MSU: Post-Bachelors Program (NIH PREP) Fellow** *(East Lansing, MI June 2017 – July 2018)*

**Skin Research Institute: Contracted Researcher** *(Miami, Florida August 2016 – June 2017)*

**Texas A&M: Undergraduate Summer Researcher** *(College Station, Texas May 2016 – August 2016)*

**FIU: Histology Research Assistant** *(Miami, FL January 2014 – April 2015)*



AWARDS/FELLOWSHIP

* Advancing Research in Society (ARIS) *(Virtual, May 2021)*

Impact Innovation Award

* MSU GenCen and Women\*s Services *(Virtual, January 2021)*

2021 Inspiration Award

* Advancing Research in Society (ARIS) *(Virtual, January 2021)*

2021-2022 Fellowship

* Council of Graduate Students *(Virtual, January 2021)*

2021-2022 Disciplinary Leadership Endowment

* City Pulse: Top of The Town Best Podcast (2nd Place) *(Lansing, November 2020)*
* Jackson Wild Media Summit *(Virtual, September 2020)*

2020 Fellowship

* MSU Graduate Leadership Fellowship *(East Lansing, MI August 2020)*

Graduate Leader Fellow for the College of Engineering

* MSU Student Life and Services Awards *(East Lansing, MI April 2020)*

Gold Recipient MSU Graduate Student Leader

* Michigan Association of Broadcasting Student Awards *(East Lansing, MI March 2019)*

1st Place College Radio Talk Show for The Sci-Files on Impact 89FM

* MSU Engineering Symposium *(East Lansing, MI March 2019)*

1st Place Best Poster Presentation in Health, Food Safety and Biomechanics for research on how mechanics affect the extracellular matrix of the bladder

* NIH T32 Trainee *(East Lansing, MI September 2018-2020)*
* FIU McNair Scholars Research Conference *(Miami, FL October 2016)*

1st Place Oral Presentation in Engineering, Physics, Mathematics and Computer Science for research in Raman Spectroscopy at Texas A&M

* Florida Bright Futures *(2011-2012)*



LEADERSHIP

Communications Intern for the Arms Control Association *(February 2021 – April 2021)*

MSU Graduate Leadership Fellow for the College of Engineering *(August 2020 – Present)*

MSU Science Festival Student Assistant Digital Content Producer *(August 2020 – Present)*

Commissioned Science Artist for The City of East Lansing *(July 2020 - August 2020)*

500 Women in Science East Lansing Pod Leader *(January 2020 – Present)*

News Producer and Host for The Sci-Files with Impact 89FM *(November 2018 – Present)*

President and Founder of MSU SciComm *(November 2018 – Present)*

Council of Graduate Students University Council Representative *(August 2019 – Present)*

East Lansing Emerging Leaders *(January 2020 – Dec 2020)*

ComSciCon Michigan Organizer *(August 2018 – August 2019)*

Council of Graduate Students Biomedical Engineering Alternative Representative *(August 2018 – May 2019)*

Biomedical Engineering Society (Vice President) *(May 2016 – May 2017)*

Peer Mentor *(August 2015 – December 2016)*

Biomedical Engineering Society (Secretary) *(August 2015 – May 2016)*



PRESENTATIONS

* COGS Graduate Academic Conference (Workshop Presenter) *(East Lansing, February 2020)*
* National Science Policy Symposium (2 Posters) *(Madison, WI October 2019)*
* MSU RDSP 2019 3rd Annual Research Day (Poster) *(Grand Rapids, MI September 2019)*
* MSU IQ Research Day (Poster) *(East Lansing, MI September 2019)*
* 10th Annual MARTS (Poster) *(East Lansing, MI May 2019)*
* 2019 Engineering Graduate Research Symposium (Poster) *(East Lansing, MI March 2019)*
* MSU Reproductive Developmental Science Day (Poster) *(Portland, MI November 2018)*
* World Molecular Imaging Conference (Poster) *(Seattle, FL September 2018)*
* NanoEngineering for Medicine and Biology Conference (Poster) *(Los Angeles, CA, August 2018)*
* Scientific Federation Conference (Poster) *(Miami, FL July 2018)*
* 9th Annual Michigan Alliance for Reproductive Technologies and Science (Poster) *(Grand Rapids, MI May 2018)*
* Annual Biomedical Research Conference for Minority Students (Poster) *(Tampa, FL November 2016)*
* FIU McNair Conference (Oral and Poster Presentation) *(Miami, FL October 2016)*
* Texas A&M REU (Poster) *(College Station, TX August 2016)*



INVOLVEMENT

ENDURE Mentor *(June 2020 – August 2020)*

WikiEdu *(May 2020 - June 2020)*

MSU Women in Computing *(January 2020 – Present)*

MSU NIH Best *(September 2018-Present)*

MSU SLOAN Diversity for Engineers *(November 2018-Present)*

Graduate Women in Engineering *(Fall 2018-Present)*

Graduate Women in Science *(Fall 2018-Present)*

Alliances for the Graduate Education and the Professoriate (AGEP) *(June 2017-Present)*

Biomedical Engineering Society *(August 2015 – May 2017)*

Toastmasters *(August 2015 – May 2017)*



CONFERENCES/EVENTS

* Science Writers 2020  *(Virtual, October 2020)*
* 2020 Grace Hopper Conference  *(Virtual, September 2020)*
* 2020 Jackson Wild Media Summit (2020 Fellow) *(Virtual, September 2020)*
* SciAccess 2020  *(Virtual, June 2020)*
* Science Talk 2020  *(Virtual, March 2020)*
* Union of Concerned Scientists DC Lobbying Day *(Washington DC, October 2019)*
* 2019 Conference on Computational Health *(Grand Rapids, MI September 2019)*
* ComSciCon Michigan 2019 *(East Lansing, MI August 2019)*
* MSU Engineering Symposium *(East Lansing, MI August 2019)*
* Science Talk 2019 *(Portland, OR April 2019)*
* ComSciCon Michigan 2018 *(Ann Arbor, MI August 2018)*
* Biomedical Engineering Society Annual Conference *(Tampa, FL October 2015)*



TECHNICAL SKILLS

* **Languages:** MATLAB, Python, Latex, Mathematica
* **Software:** Microsoft Office, Adobe Suite, MiniTab, Igor Pro, InkScape, Gimp, Krita, Figma, TinkerCad
* **Lab Skills:** Circuit development, soldering, cell culture, Western Blot, Raman Spectroscopy, thermal imaging, primary cell isolation, histology, Confocal Microscopy, Plasma Etching, 3D printing