

Sarah Coyne

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Education:

Michigan State University, *East Lansing, MI*

Graduation Date: May 2026

BS - Food Science with Business Concentration, Minor- Health Promotion

Awards: Carl G. Smith Award for Excellence, Dean's List, Bradford-Adams Scholarship, *GPA 3.64*

Work Experience:

Research Assistant | MSU Sensory Lab, *East Lansing MI*

September 2023-Present

- Performed sensory and attribute testing using GCMS to quantify volatiles and analyze bean flavors.
- Collected data in discriminatory panels to understand the sweetness characteristics of honey aromatics
- Prepping samples for various sensory panels according to standard for local businesses and other departments.
- Presented research at 2024 and 2025 MSU Undergraduate Research Forum.

R&D Coffee Intern | J.M. Smucker Co, *Orrville OH*

May 2025-August 2025

- Transitioned the Folgers Flavored Coffee formulation by working with flavor scientists to match current product flavor space with different flavor ingredients for the purpose of business continuity.
- Formulated a cold dissolvable beverage mix to be an extension of the Dunkin' brand by designing a cold dissolution study to identify ingredient hurdles and update current formulations with findings to successfully meet brand expectations.
- Reported pricing and shipping data to leadership and executive teams for new instant coffee supplier and made technical recommendations based on current product metrics for line extensions of JMS coffee brands.
- Attended a scale up trial and in-person product iteration sessions with suppliers.

R&D Frozen Handhelds & Spreads Intern | J.M. Smucker Co, *Orrville OH*

May 2024-August 2024

- Collaborated with senior scientists to formulate a prototype for spreads products and made recommendations for ongoing projects.
- Tracked and analyzed ingredient data resulting in product reformulation which improved ergonomics of manufacturing and safety of plant engineers.
- Assisted in pilot plant trial runs by scaling ingredients, sanitizing the lab, learning operations of the lab and documented data.
- Participated in meetings with the R&D team to work cross functionally with supply chain, finance, legal, and marketing.

Campus Involvement

Michigan State University Athletics | Cross Country and Track Athlete

August 2022-Present

- Student athlete training 16+ hours a week in workouts, strength development, competing in multiple 5K and track competitions and hosting recruits while maintaining a full academic course load.
- Communicates with a coaching staff of 3 individuals weekly regarding training status and goal setting.

Food Science Club | Member

August 2023-Present

- Represented Michigan State University at the Education Summit occurring at the IFMA Silver Plate Award 2025
- Recognized for academic and extracurricular involvement in the food industry through Student Spotlight to promote involvement in the Food Science major.

Tower Guard | Member

May 2023-May 2024

- Exclusive sophomore level honor society responsible for assisting students with academic disabilities.
- Responsible for volunteering 120+ hours with the Resource Center for Persons with Disabilities to provide an inclusive environment during the 2023-2024 school year.

Food and Nutrition Association | Member

August 2022-May 2023

- Led a small group of girl scouts to earn their "New Cuisines" badge through a troop wide cooking class.
- Attended monthly meetings and presentations to connect with other FSHN students and staff.