

Nicole Martindale

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EDUCATION

Bachelor of Science in Civil Engineering Iowa State University

3.99 GPA (Anticipated May 2022)

- Specializing in Environmental & Water Resources Engineering, minoring in Sustainability
- Relevant courses: Environmental Freshman Research Initiative, Differential Equations, Revit, and Civil 3D



Women's Soccer Student Athlete

- All-Cyclone team – women's soccer highest GPA (2019-20)
- Most Improved Player of the Year (2018-19 season)
- Student Athlete of the Month (Fall 2018)

Gretna High School

4.0 GPA (Graduated May 2018)

- Valedictorian, Honor Roll, Academic Soccer All-State, 4-year Class Officer

STUDENT ORGANIZATIONS

Society of Women Engineers (SWE)

Special Events Career Development Director (2018 – present)

- Collaborate with representatives at special events and executive board meetings
- Attend weekly meetings to expand leadership skills and coordinate events for current members
- Mentored children at engineering day camps and sold pizza to raise money for SWE
- Represented Iowa State SWE at National Conference in November 2019



NCAA Student-Athlete Advisory Committee (SAAC)

Executive Board Member & Secretary (2018 - present)

- Attend executive board member meetings and represent Iowa State Athletics at leadership conferences
- Brainstorm ideas and collaborate with other student-athletes as a subcommittee leader
- Volunteer at several community service opportunities throughout the year



American Society of Civil Engineers (ASCE) – Student Chapter

(2018 - present)

- Participate in meetings as a concrete canoe team member to prepare for spring competition
- Attend company speaker meetings to gain insight about the civil engineering profession
- Presented my summer internship experiences to members at a general meeting



Chi Epsilon Civil Engineering National Honor Society

(2018 - present)

- Expand knowledge at monthly speaker meetings and participate in scheduled activities to bond with members

Tau Beta Pi Engineering National Honor Society

Cabinet Chapter Surveyor (2019 - present)

- Strengthened leadership skills as a mentor at an engineering day camp and by leading an initiate small group
- Managed membership points and completed project reports for the national reporting system
- Decorated backpack tags for the Food Bank of Iowa and raised money for COVID relief at Pi Mile 5k Run event
- Created an educational video to help students with a difficult class topic and presented final product to members

WORK EXPERIENCE

FOX Engineering Ames, Iowa

Intern (Summer 2020)

- Assisted engineers with waste water treatment plant design by compiling data and performing calculations in excel
- Analyzed project plans and specifications to learn about water treatment and assist with future design efforts
- Attended various site tours and project meetings to gain experiences with the project development process
- Reviewed shop drawing submittals for construction projects in order to complete submittal reviews

Civil Engineering Department Iowa State University

Teaching Assistant (Fall & Winter 2020)

- Assisted a professor in revamping assignments for a grant project promoting teamwork amongst students
- Graded projects and assignments for a civil engineering project management class
- Provided students with feedback and suggestions to improve their understanding of project management
- Collaborated with the professor and other teaching assistants to ensure students were progressing in their learning

Environmental Research Department Iowa State University

Research Assistant (Summer 2019)

- Operated a mass spectrometer to record and analyze the metal composition of coal refuse runoff samples
- Acidified and filtered lake water samples and washed sample bottles according to EPA specifications
- Prepared soil bacteria solution and separated palettes using a centrifuge machine

COMMUNITY SERVICE



- Wrapped and purchased Christmas presents for Adopt-a-Family – Dec. 2018, 2019 & Nov. 2020
- Decorated backpack motivational cards for the Food Bank of Iowa – Nov. 2020
- Delivered pumpkins for YSS (Youth & Shelter Services) Ames pumpkin decorating contest – Oct. 2020
- Assisted in the development of YouTube videos for children STEM activities – Oct. 2020
- Promoted engineering as a speaker at Go Further middle school conference – Oct. 2020
- Distributed books for Raising Readers in Story County local organization - June 2020
- Shared my ISU experiences at Cyclone Academy freshman initiation class - June 2020
- Represented ISU soccer participating in a virtual juggling competition with the local youth soccer club - June 2020
- Represented ISU student athletics at NAACP (National Advancement of Colored People) banquet – Feb. 2020
- Went bowling and ate pizza with Special Olympics athletes – Feb. 2019 & 2020
- Passed out programs and greeted residents at local MLK Day Celebration – Jan. 2019 & 2020
- Served as a Team Leader at the Iowa First LEGO League State Championships- Jan. 2020
- Sorted and set-up toy donations for low income families at Salvation Army Toy Store – Dec. 2019
- Decorated Christmas cookies for local police and fire departments – Dec. 2019
- Mentored children at SWE Girls Discovering Engineering day camp – Nov. 2018, 2019
- Helped coordinate a Days 4 Girls SWE service event to make kits for women in Africa – Nov. 2019
- Collected monetary donations and cans for CyCans at Iowa State football game – Nov. 2019
- Helped coordinate a Project Linus tie blanket service event for SWE – Nov. 2019
- Helped lead a wind turbine activity at Building the Future engineering day camp – Nov. 2019
- Setup and executed a marshmallow bridge activity at Go Further girls STEM conference – Oct. 2019
- Setup box homes for Reggie's Sleepout to help end homelessness - April 2019
- Collected shoe donations at Iowa State wrestling match for Soles4Souls – Feb. 2019
- Lead various engineering activities at Meeker Elementary (Ames) STEAM Night – Feb. 2019
- Recorded scores and times at Iowa State swim meet – Jan. 2019
- Decorated cookies and played games with Special Olympics athletes – Dec. 2018
- Played games and promoted an active lifestyle at local exercise program for children – Nov. 2018
- Made apple pies at annual church Thanksgiving fundraiser – Nov. 2018
- Prepared a free community meal for the Food At First non-profit organization – Nov. 2018
- Passed out snacks and greeted donors at Iowa State blood drive – Oct. 2018