Jean D. Niwenshuti

Phone: +1(531) 289-0224 • E-mail: Jniwenshuti@huskers.unl.edu • LinkedIn: Link

EDUCATION

University of Nebraska-Lincoln   **Lincoln, NE, USA**
Doctor of Philosophy in Natural Resources Sciences   *Present*

University of Nebraska-Lincoln   **Lincoln, NE, USA**
Master of Science in Mechanized Systems Management   *August 2021 – August 2023*
- Thesis: Characterizing feedlot feed using depth cameras and imaging technology
- Relevant Coursework: Embedded Controls for Agricultural Applications, Computer Vision, and Equipment Systems Management

University of Nebraska-Lincoln   **Lincoln, NE, USA**
Bachelor of Science in Integrated Sciences   *August 2017 – May 2021*
- Minors: Agronomy, Mechanized Systems Management, Leadership, and Entrepreneurship
- Relevant Coursework: Systems Engineering (Computer Science), Ag Processing and Handling, Beef Feedlot Management, Dynamics of Effective Leadership, Irrigation Systems Management, Sensor and Controls Systems for Ag-Industry

EXPERIENCE

Instructor for Power and Machinery Principles   *Present*
> Department of Biological Systems Engineering, College of Agricultura Sciences and Natural Resources, University of Nebraska-Lincoln, Lincoln, NE

Graduate Research Assistant in Precision Animal Management   *August 2021– August 2023*
> Department of Biological Systems Engineering, College of Agricultura Sciences and Natural Resources, University of Nebraska-Lincoln, Lincoln, NE

Teacher Assistant for Sensors and Controls Systems for Agri-Industries   *August 2022– December 2022*
> Department of Biological Systems Engineering, College of Agricultura Sciences and Natural Resources, University of Nebraska-Lincoln, Lincoln, NE

Undergraduate Research Assistant   *December 2020 – August 2021*
> Department of Biological Systems Engineering, College of Agricultura Sciences and Natural Resources, University of Nebraska-Lincoln, Lincoln, NE

Teacher Assistant for Soil Nutrients Relationship   *January 2021 – May 2021*
> Department of Agronomy and Horticulture, College of Agricultura Sciences and Natural Resources, University of Nebraska-Lincoln, Lincoln, NE

Teacher Assistant for Experimenting Entrepreneurship   *September 2019 – December 2019*
> Engler Agribusiness Entrepreneurship Program, Institute of Agriculture and Natural Resources, University of Nebraska-Lincoln, Lincoln, NE

Undergraduate Research Intern   *May 2019 – July 2019*
> Panhandle Research and Extension Center (PREC), Institute of Agriculture and Natural Resources, University of Nebraska-Lincoln, Lincoln, NE

Welcome Team Leader for   *August 2018 – January 2019*
> New Student Enrollment office, University of Nebraska-Lincoln, Lincoln, NE

Enumerator   *July 2016 – June 2017*
     FATE consulting ltd, Kigali, Rwanda

Advisor and Volunteer   *July 2016 – present*
     Rwanda Village Community Promoters (RVCP), University of Rwanda, Huye, Rwanda

AWARDS AND HONORS (OR ACHIEVEMENTS)

Introduction to Data Engineering (certificate)   2023
     International Business Machine Corporation (IBM), Armonk, N.Y

ETL and Data pipelines (certificate)   2023
     International Business Machine Corporation (IBM), Armonk, N.Y

Image processing and deep learning toolbox (certificate)   2022
     MathWorks certification, MATLAB

Undergraduate Student Research Award   2021
     Agriculture Research Division (ARD), University of Nebraska-Lincoln, Lincoln, NE

Agricultural Healthy and Safety (certificate)   2018
     University of Nebraska, Lincoln, Nebraska

Agricultural Skills Development (certificate)   2018
     Nebraska College of Technical Agriculture (NCTA), Curtis, Nebraska

CASNR Undergraduate Scholarship Program (CUSP) Scholarship   2017
     College of Agricultura Sciences and Natural Resources, University of Nebraska-Lincoln, Lincoln, NE

SKILLS

- Computer Skills: MATLAB, Python, and R programming
- Technical Skills: project management, image processing techniques, and writing reports
- Languages: English (Fluent), French (Fluent), and Kinyarwanda (native)