# Zuzanna Wrobel

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## PROFILE

Ambitious and adaptable enthusiast, skilled in data analysis, experimental design, and collaborative research. Seeking a summer internship or entry level role to apply scientific curiosity, precision, and dedication to data integrity. Proven leadership in academic and extracurricular settings, eager to engage with cross functional teams and professional development opportunities

## EDUCATION

**Bachelors of Science, Neuroscience** June 2025

**Bachelor of Arts, Data Science**

Knox College, Galesburg, Illinois

GPA 3.77/4.00

## INTERNSHIPS

**Junior Data Analyst** June 2024 - September 2024

TJX Company - Berkheim, Germany / Wroclaw, Poland

- Analyzed and interpreted sales, inventory, and planning data to support decision-making across main TJX locations in Germany, Poland and the UK.
- Collaborated with the planning team to optimize stock levels, reducing overstock and minimizing stockouts by developing data-driven insights
- Conducted data cleaning, validation, and trend analysis, contributing to improved accuracy in forecasting models and planning processes

**Quality controller/analysist intern** June 2023 - December 2023

Kunstoff Schwanden, Glarus - Schwanden, Switzerland

- Conducted thorough quality control assessments on manufactured products for 30 machines daily, ensuring compliance with established standards
- Collaborated with cross-functional teams to evaluate process data, identify improvement opportunities, and implement data-driven solutions, resulting in improved product quality and efficiency for 5 machines
- Fully communicated with the team members in German and Swiss German

## EXPERIENCE

**Resident Assistant** August 2024 - Present

- Completed extensive training in areas like crisis management, diversity and inclusion, and mental health first aid
- Supported a community of 50 residents, sucessfully mediated conflicts fostering safe and welcoming environment
- Provided on call emergency response, addressing incidents promptly and effectively to ensure resident safety and well being
- Served as a resource for academic and personal guidance, referring residents to campus resources when necessary

**Neuroscience Tutor** March 2024-Present

- Provided one on one and group tutoring to approximately 5 students per week in core neuroscience topics, while supporting critical thinking and problem solving skills through case studies and experimental design guidance
- Developed personalized learning plans, clarified complex topics, and assisted with lab reports, data interpretation, and exam preparation

**Peer Research Assistant** September 2022 - Present

Seymour Library, Knox College, Galesburg, Illinois

- Assisted patrons in accessing and utilizing library resources for academic success
- Contributed to 4 comprahensive research projects by collecting and analyzing data, providing valuable insights to support scholarly inquiries

**Library Circulation worker** September 2022 - Present

Seymour Library, Knox College, Galesburg, Illinois

- Helped patrons with inquiries, checked-in and checked-out materials, and provided information on library services
- Managed library material circulation, guaranteeing accurate record-keeping and quick recovery of items

## PROJECTS

**Research Assistant** January 2024 - March 2024

Behavioral Neuroscience Lab, Knox College

Counterconditioning vs. Exposure Therapy in Rats – Evaluating Efficacy through Ultrasonic Vocalizations

- Designed and conducted a study on Sprague-Dawley rats comparing counterconditioning and exposure therapy in modifying stress responses, measuring vocalizations, movement, and boli output with methamphetamine as a positive reinforcer
- Analyzed behavioral data using numpy and matplotlib Python libraries , identifying key trends in stress markers, including a significant reduction in boli output in counterconditioned rats
- Contributed to insights on behavioral modification techniques with implications for long-term therapeutic applications, a 7 pages lab report was written with a lab partner.

Pleasure and Pain Responses: Differentiation in physiological response

- Conducted a within-subjects physiological study analyzing responses to pain and pleasure stimuli through controlled trials, assessing skin conductance, corrugator muscle contraction, and pulse rate. Collected data using facial EMG, skin conductance, and pulse meters, alongside self-reported responses via visual analog scales, across four scenarios with baseline controls
- Analyzed results using repeated-measures ANOVAs to evaluate subjective and objective differences across conditions, contributing to insights on physiological responses to nuanced pain and pleasure experiences.
- Presented findings in a 10 pages report, highlighting contextual influences on pleasure in pain situations and exploring implications for future studies on pain-pleasure differentiation

## PROFESSIONAL DEVELOPMENT

**Nu Rho Phsi Neuroscience Honor Society Member** March 2024 - Present