

Shandrika Huebsch

Research Scientist

Profile

As a Research Scientist with over 3 years of experience, I have a strong grasp on scientific principles and techniques. My work as a Research Scientist has given me the opportunity to develop and apply innovative solutions to complex problems. I have a proven track record of success in optimizing experimental design and results, as well as providing clear and concise communication of results. I have a passion for understanding the science behind the data and utilizing it to improve operational efficiencies. My expertise lies in developing and applying advanced analysis techniques to identify trends and insights in data. I have a deep understanding of statistical analysis, data visualization, and machine learning models. Additionally, I have experience in developing interactive web applications using HTML/CSS, JavaScript, and Python. I am also highly skilled in leveraging databases such as MySQL and MongoDB.

Employment History

Senior Research Scientist at Sanford Research, SD

Jan 2023 - Present

- Developed a novel gene therapy that resulted in a 50% reduction of mortality for a mouse model of a rare form of cancer, which was published in Nature Medicine.
- Led a team of 10 researchers in the development of a new drug compound that reduced the progression of a neurological disease by 40%, as outlined in a paper published in the Journal of Neuroscience.
- Spearheaded a project that identified new biomarkers for early detection of a rare form of heart disease, leading to the development of a diagnostic tool that is now being used to screen patients in Sanford Research, SD.
- Created a new bioinformatics algorithm that accurately predicts the response to a drug treatment with 95% accuracy, which was published in the journal Science.

Research Scientist at Daktronics, SD

Aug 2020 - Nov 2022

- Developed a new LED display technology that increased Daktronics's market share by 10%, resulting in an additional \$2M in revenue.
- Designed a new algorithm for visualizing data that improved efficiency by 15% and reduced costs by \$1M.
- Conducted research that led to the development of an innovative product, resulting in a 25% increase in customer satisfaction ratings.
- Authored a white paper on emerging trends in the LED display industry that was published in a peer-reviewed journal, resulting in an 8% increase in Daktronics's brand recognition.

Certificates

Certified Artificial Intelligence Professional (CAIP)

Jul 2021

✉ shandrika.huebsch@gmail.com

☎ (981) 697-7259

📍 Sioux Falls, SD

Education

Master of Science in Research Science at South Dakota State University, Brookings, SD

Aug 2015 - May 2020

Relevant Coursework: Advanced Biostatistics, Advanced Epidemiology, Experimental Design, Qualitative and Quantitative Research Methods.

Links

[linkedin.com/in/shandrikahuebsch](https://www.linkedin.com/in/shandrikahuebsch)

Skills

Data Analysis

Problem Solving

Statistical Modeling

Research Design

Scientific Writing

Experimentation

Critical Thinking

Languages

English

Portuguese

Hobbies

Bird Watching