

William Steinke

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SUMMARY

Motivated and curious data professional with a strong biology background, working to continually develop data science skills, primarily in machine learning & artificial intelligence. Proficient skills include R programming and package development, building analytic dashboards, and stakeholder management. Effective contributor in collaborative team dynamics, and strong communication skills both with internal and external stakeholders.

TECHNICAL SKILLS

Statistical Machine Learning · R · Python · \LaTeX · TensorFlow · Agile · SQL · Linear Regression · Shiny · Power BI · Tidyverse · Computational Probability

PROFESSIONAL EXPERIENCE

Research Laboratory of Dr. Kathleen Schmainda · Milwaukee, WI

Primary focus of the laboratory is the development of MRI methods to assess brain tumor angiogenesis and invasion.

Masters Practicum Research Intern · May. 2022 - Sep. 2022

Worked under advisorship of two professors at the Medical College of Wisconsin to determine feasibility of using patient neurological exam records and associated MRI scans to create CLIP-like image-to-text model.

- Familiarity with MRI physics and different MRI techniques
- Design of image-to-text Deep Learning model based off CLIP model, written in TensorFlow
- Knowledge of CNN and NLP attention models

Chr.Hansen · Milwaukee, WI

Leading global bioscience company that develops natural ingredient solutions for the food, nutritional, pharmaceutical and agricultural industries.

Senior Data Analyst, Digital Platforms and Services · Apr. 2021 - Present

Primary owner and developer of department analytic tools that support the company's digital strategy. Core team member of the Data Science Community representing Global Application.

- Assisted in development of new algorithm for bacteriophage risk assessment analysis along side other scientists by building novel scoring functions, multi-strain bacterial statistical models, and shiny applications
- Worked with sales, scientists, and directly with customers on scoping and gathering requirements for digital analytic dashboard projects
- Automated common analysis of coagulation data by interviewing stakeholders, building data pipeline and data model with external resource, and creating Power BI dashboards and R data visualizations
- Updated internal laboratory dashboard to ensure global alignment in testing method, using Power BI with R integrated visuals using star-scheme analytical model
- Assisted creating new phage testing software to ensure legacy software support by acting as technical representative and conducting tests and validations of software deliverables

Phage Laboratory Technician · Dec. 2017 - Mar. 2021

Took on 50/50 role in last year between laboratory team and digital team. Conducted standardized testing of customer samples detecting phage levels.

- Developed dashboard to show +1,000 customers their aggregated phage results using Power BI and data generated from phage testing web application
 - Created internal phage results dashboard used by multiple departments for scientific and business decisions based off the customer facing dashboard
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EDUCATION

Marquette University · Milwaukee, WI · Master of Science Bioinformatics · May 2023

University of Wisconsin - Stevens Point · Stevens Point, WI · Bachelor of Science Biochemistry · May 2017