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Ryan Wilson

Data Scientist

Portfolio: [rjwdata](#)
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Experienced data analyst within the Ed-Tech sector, specializing in the application of predictive analytics to assess and enhance educational outcomes. A dynamic lifelong learner, I am an alumnus of the Strategic Data Project Fellowship at Harvard University's Center for Education Policy and Research and hold a Master's in Information and Data Science from UC - Berkeley. My proven experiences equip me with the advanced tools needed to navigate and address the evolving landscape of data in shaping the future of education.

SKILLS

Programming Language	Python, R, SQL
Visualization	Tableau, ggplot2, seaborn, Google Data Studio
Cloud Computing	Google Cloud Platform (GCP), Hadoop, Spark, AWS
Machine Learning	Classification/Regression, Support Vector Machines, Decision Trees, Random Forest, Clustering, Neural Networks
MLOPS	Github, Jupyter Notebooks, Visual Studio, Agile, Scrum, Airflow, dbt

PROFESSIONAL EXPERIENCE

Analytics Advisor **AUG 2019 — Present**
Frontline Education *Malvern, PA*

- Spearheaded the design and implementation of a robust machine learning pipeline, streamlining and automating key components of data analysis and decision-making processes
- Collaborated with diverse clients to understand their unique data integration needs, working closely to tailor solutions to client specifications
- Demonstrated a proactive approach to identifying opportunities for automation, contributing to a more streamlined and agile work environment
- Conducted examination and validation of bugs and defects within the product, ensuring comprehensive vetting processes for optimal product quality

Director of Data and Assessment **SEP 2014 — AUG 2019**
Kettle Moraine School District *Wales, WI*

- Formulated and successfully implemented a robust predictive model to forecast student achievement outcomes
- Engineered the automation of complex reporting tasks, ensuring accuracy, consistency, and a swift turnaround in delivering critical insights to stakeholders
- Delivered comprehensive professional development on data and assessment literacy to district administration

Director of Data and Teacher Evaluation **JUL 2009 — AUG 2014**
West Bend Joint School District 1 *West Bend, WI*

- Compiled comprehensive reports detailing key Leading Indicators of Performance within the district
- Crafted dynamic dashboards providing real-time insights into key performance metrics
- Engineered and implemented comprehensive customer satisfaction survey process for district stakeholders

Science Teacher **AUG 2006 — JUN 2009**
School District of Grafton *Grafton, WI*

- Utilized student learning data to plan instruction to optimize student achievement
- Designed, implemented and evaluated a multi - sport strength and conditioning program
- Created an adaptive individualize weight lifting program using current data to predict future sets, reps, and weights

EDUCATION

Master of Information and Data Science , <i>University of California, Berkeley</i>	AUG 2023
Master of Science in Educational Leadership , <i>Cardinal Stritch University</i>	DEC 2009
Bachelor of Science in Science Education , <i>The University of Iowa</i>	MAY 2004
Strategic Data Project Fellowship , <i>Center for Education Policy Research at Harvard University</i>	OCT 2015 — JUL 2017

SERVICE

Department of Public Instruction Accountability Advisory Committee	JAN 2018 — AUG 2019
National Center for Educational Statistics - Appointed Local Education Rep (WI)	AUG 2017 — AUG - 2017
State Superintendent's Education Data Advisory Committee	AUG 2017 — AUG 2019