



CAREER PROFILE

I'm passionate about the work I do and doing it the right way. This means being laser-focused on making data easy to understand and usable for everyone. In addition to my large technical toolkit—which includes high levels of proficiency in R, Tableau, and AWS services—I am continuously reflecting on the actions I take to develop the teams I am a part of.



EXPERIENCES

Solution Architect

Slalom Consulting, Minneapolis

2015 - Present

Advanced analytics and data visualization expertise. I've worked with clients in industries ranging from business-to-business services, human capital, healthcare, retail, pharmaceuticals, and sports entertainment. Each engagement is a partnership to build processes and data tools that directly aid the consumer of data—either directly or indirectly. I've co-lead three different projects that were later named strategic priorities by C-suite executives. These include predictive modeling of services offered and at-risk clients for a business-to-business sanitation organization and kick-starting analytic services for a pharmacy benefits organization.

I am a member of an organization-wide advanced analytics steering committee for Slalom and I lead the organizational-wide R development community. I also regularly present to organizations on developing/scaling-up data science practices.

Data Scientist

Minneapolis Public Schools, Minneapolis

2013 - 2015

Led data science team. Advanced student achievement by co-creating predictive, actionable data tools for student growth, attendance, and discipline from referrals. Results included increases in school attendance rates and student suspensions cut by nearly half. I also trained 1000+ stakeholders to use data tools and architected a data mart for data visualization tools.



PROJECTS & CONTRIBUTIONS

Packers one-on-one blocking drills (Click titles for details)

Analysis of blocking data for ESPN's Rob Demovsky for the past 5 years. From the 300+ reps/preseason we can identify who will be successful on the field during the regular season.

Which National Football League tickets are the hottest right now?

Using a StubHub Ticket API, Amazon Web Services, and R I created a tool that collected and tracked National Football League Ticket prices at the seat level. This project was run until StubHub sunset the API. This work lead to conversations and future work with a pro sports organization and an broadcasting organization. *Read more about the process [here](#).*

Hack your tickets: #MNTwins @ Target Field

This POC utilized a 3rd party ticketing API and advanced modeling techniques to find tickets with the best value – regardless of location in the stadium.

NFL Analytical MVP Race

Developed a win-probability additive model using ensemble model. The model describes the number of “wins” a player contributes to a team given the context of the game. This was inspired by ESPN’s own Brian Burke.



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EDUCATION

PhD in Ed. Psych. - Quant. Methods

University of Minnesota
2010 – 2016

BS in Housing Studies

University of Minnesota
2001 - 2006
Men's Varsity Crew Team ('02-'05)

EXPERTISE

- Generalized linear models
- Machine learning technologies
- Data visualization
- Efficient cloud computing
- Organizational analytics