

DREW FUSTIN

Data Scientist, Engineer, Architect

📍 Chicago, IL
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EXPERIENCE

Owner, Data Consultant

Sage Array

📅 Jan 2018 - present 📍 Chicago, IL

- Provide data science consulting and contract services
- Wrote a physician-facing data collection UI generating structured reports for a medical image analysis startup
- Produced interactive data visualizations used in client-facing pitches for a user research consulting firm

Director of Data Science & Analytics

Interior Define

📅 Sep 2018 - present 📍 Chicago, IL

- Standardized the engineering architecture to deploy and manage backend microservices running the business
- Managed the team, roadmap, vision, and budget for analytics

Lead Data Scientist

SpotHero

📅 Aug 2015 - Nov 2017 📍 Chicago, IL

- Founded the data team and organized cross-functional analytics, indirectly managing ~10 (hiring 2 direct reports)
- Parameterized the conversion/price/location relationship to increase inventory (\$5m/yr) and explore pricing optimization
- Modeled marketing acquisition and cohort lifetime value to inform decisions on nearly \$15m of marketing spend
- Built and managed the pipelines and ETL framework for a data warehouse used as the primary data source for analytics

Data Scientist

Digital H2O

📅 Aug 2014 - Jul 2015 📍 Chicago, IL

- Built core-to-the-product algorithms to estimate hydrocarbon and water production of individual oil and natural gas wells

Insights Analyst

Grubhub

📅 Mar 2013 - Aug 2014 📍 Chicago, IL

- Co-created a PR program generating media narratives based on proprietary data, leading to 3x growth in brand mentions
- Developed an optimization of restaurant delivery boundaries, helping to launch delivery-as-a-service at scale

SPECIALTIES

- 📊 Engineering data warehouse pipelines
- ☁️ Data architecture in AWS
- 👤 Acquisition marketing decision science
- 🔗 Multivariate and A/B testing
- 📈 Time series forecasting
- 🏠 Probabilistic programming and modeling
- 📊 Parametric modeling of user behavior
- 🔍 Googling things I don't understand
- 🍹 Mixing a really good cocktail

TOOLS OF CHOICE

- Coding: Python (Pandas, Scikit-Learn, PyMC3)
- Cloud computing: AWS
- DBMS: PostgreSQL, Redshift, Redis, MongoDB
- Workflow management: Apache Airflow
- Data visualization: Vega/Altair, Plotly, d3.js
- Product management: Jira (Kanban)

WHAT IS IMPORTANT TO ME

- Work-life balance to spend time with my wife and three children
- An opportunity to build a valuable data science and engineering organization
- Engaging and important problems to work on
- Understanding how things work
- An environment that nurtures learning, experimentation, and ingenuity
- A company culture committed to diversity and eliminating inequality in engineering

EDUCATION

PhD in Physics

University of Chicago

📅 Jan 2006 - Mar 2012 📍 Chicago, IL

MS in Physics

University of Chicago

📅 Jun 2004 - Dec 2005 📍 Chicago, IL

BS in Physics, Mathematics, Astronomy

Drake University

📅 Aug 2000 - May 2004 📍 Des Moines, IA