David Brewer

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Education

- Master of Science in Business Analytics (MSBA)   University of Montana   2018
  Academic Scholarship and Graduate Assistantship
- Bachelor of Science in Management Information Systems (MIS)   University of Montana   2016

Current Experience

Company: Education Logistics   Mar 2018 – Current
Job Title: Telematics and IoT Hardware Analyst
Description: School bus routing optimization software, GPS tracking systems, & fleet management products

- Development team member providing on-board telematics solutions for school bus transportation
  - Vehicle telematics including real-time location tracking, diagnostics (OBD/J1939), and routing integration
  - Collaboration with three global teams for server side and mobile app development
- Legacy system conversion projects and Elasticsearch implementation for over 15K vehicles
  - Creating SQL queries to dive into the data, raw data analysis, and API debugging with Postman
  - IoT device logging, anomaly detection, and reporting dashboard development using Plotly Dash

Company: CTG Inc   Dec 2016 - Jan 2018
Job Title: Junior Data Scientist
Description: IT consulting, app development, software engineering, and digital marketing services

- Modeling and statistical analysis for real estate consumer marketing and B2B customer acquisition
  - Consumer engagement modeling, marketing analytics, and implementation of multi-armed bandit solution
  - Business intelligence and data analysis identifying KPI's, customer lifetime value, and churn modeling
- Data engineering, design of new ETL processes, and Elasticsearch implementation
  - Data warehousing from sources including SQL databases, marketing data feeds, and web analytics
  - Rapid prototyping with Python, R Shiny, Tableau, and AWS Redshift

Company: DataSmart Solutions-Leavitt Group   Sep 2015 - Aug 2016
Job Title: Business Intelligence Developer Internship
Description: Healthcare-facing data warehousing, predictive analytics, strategy and planning

- Consulting team member doing analysis of health care claims data, data visualization, and research
  - Risk assessment using API integration with Johns Hopkins ACG system
  - Development work included Tableau dashboards, custom SQL reports, and statistical modeling in R

Previous Experience

Company: Real Estate Client Referrals (now Real Estate Pipeline)   2006 – 2014
Job Title: Lead Generation - Marketing Analytics - Manager
Description: Innovative startup focused on real estate technology

- Drove growth by developing, releasing, and maintaining several online lead generation/digital marketing products
  - Direct reports including sales reps, customer service, and data verification
- Hands on digital marketing team member using PPC, SEO, email marketing, social media, and web development
  - Rigorous segmentation, campaign analytics, A/B testing, churn analytics, and landing page optimization
- Created data driven decision systems for real estate lead generation including processing, delivery, and analytics
  - Developed a real-time response system, propensity scores, revenue optimization, and territory mapping
- Technical project management with a focus on collaborative technology
  - Agile and SDLC methodology, offshore development team management, and Jira/CRM implementations

Technical Skills

- Programming tools: Python, R, SQL
- Data visualization tools: Tableau, R Shiny, Matplotlib, Kibana, Plotly Dash
- Big data tools: Elasticsearch, Amazon Web Services, Tensorflow, Hadoop (HDFS, HBase, Pig)
- Other tools: GitHub/Git, Postman, Weka, Adwords/Bing Ads/Facebook, Google Analytics

Certifications

- MBA   University of Montana   2018
- Big Data Certificate   University of Montana   2016
- PMP   Project Management Institute (PMI)   2016