AlexanderKnorr
Resume

contact
1000 S Broadway
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Denver, CO USA 80210

alexander.knorr416@gmail.com

authored material
SEM Bid Optimization
White Paper,
Maritime Piracy Study
(published),
Colorado Rockies Player Valuation
Model Competition,
DigitalGlobe Market Analytics
White Paper,
Summary Article
on Maritime Piracy(published),
Civil Conflict Literature Review

skills
Advanced
R (16 Datacamp certificates),
knitr, markdown, ggplot2,
PostgreSQL, EViews, Cognos,
Microsoft Excel, Stata
Intermediate
SAS (certified),
Tableau, Latex,
Microsoft Access
Beginner
Python (6 Datacamp certificates)

personal strengths
independent work, data analytics,
excellent communication, leadership,
dedication

references
Fred Askham
faskham@imm.com

Ken O'Brien
kobrien@imm.com

education

2014	**Master** of Arts in Economics	**The University of Colorado, Denver**
	Economics	3.68 GPA	
2012	**Bachelor** of Arts in Business Administration (Cum Laude)	**Seattle University**
	Economics Major, Finance Minor, Entrepreneurship Minor	3.69 GPA	

objective statement

- Available to accept a Data Scientist role where a background in applied statistics,demonstrated ability to meet client deadlines,proven success in quantitative research,and a desire to continually learn result in accurate reporting,creative solutions,and quality modeling.

work experience

Feb 2016–
Present
Data Scientist
Boulder, CO
IMM- Ideas Made Measurable

- Forecasted quarterly client sales, impressions, and clicks using Vectorized Autoregressive Models (VAR) with a low out-of-sample error rate of 11%
- Built Automated R markdown and IBM Cognos based reports displaying daily data critical for media decisions
- Automated R scripts and wrote stored procedures to ingest API data into a Netezza database. These paramaterized scripts save 42 hours of data pull time weekly
- Developed Search and Display based optimization systems. The algorithms optimize bids for both display and search placements.

March 2015–
Feb 2016
Research Associate/ Data Analyst
Denver, CO
BBC Research and Consulting

- Provided data support across all phases of disparity studies conducted, which involved: aggregating and managing data received from 11 different state agencies and ad hoc data requests
- Lead quantitative analyst for two market analysis projects. Projects required collection of all survey data, cross tabulation of results, and conjoint analysis to determine new membership breakdown
- All projects involved deliverables to clients and required strict adherence to a project time line

June 2014–
Aug 2014
Geospatial Big Data- Intern
Thornton, CO
DigitalGlobe

- The first intern hired within the Geospatial Big Data(GBD) Department. In addition to main project focus, I created standard operating procedures for future interns
- Intern project was to strategize and research expansion of GBD platform to the mining sector. Completely autonomous work with weekly and monthly check-ins to direct management
- Conducted interviews with DigitalGlobe experts, as well as experts from within the mining sector to gain knowledge of the issues faced by the industry and current solutions used by the industry