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Key Skills and I	Highlights
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Key Skills and	d Highlights
Programming	$\begin{tabular}{ll} $Python$ (pandas, matplotlib, bokeh, beautifulsoup, scikit-learn, tensorflow, keras), Spark, SQL, and Git. Prior experience with $MATLAB$, R, $Mathematica$ and $C++$ \end{tabular}$
Data Science	Web scraping, cleaning data, exploratory analysis, data transformation (standard-normal scaling, t-SNE, SVD, PCA), image/time-series analysis, data visualization, dashboard maintenance, statistical inference (A/B, ANOVA), regression and classification models (k-means, GLMs, boosted trees), deep learning (ANN, CNN, RNN architectures)
Mathematics	Bayesian statistics, matrix factorization, eigenvector/eigenvalue problems, convolution, fast Fourier transforms, short-time Fourier transforms, Monte-Carlo
Achievements	National Barry M. Goldwater Scholarship (2011) 5 peer-reviewed publications in 3 distinct subfields 5 oral presentations: 3 national conferences, 1 international conference, 1 colloquium
Other	Experience working within the Agile framework Scrum Code review and unit tests for python and SQL code Individual and collaborative research with up to 5 team members Mentorship of 2 undergraduate research students
Education	
*	University of Colorado
	Yellow The Data Incubator
M.S. Physics U	Iniversity of Colorado
	tics, Physics Summa Cum Laude University of Arkansas
Work Experie	ence
Identified assUtilized teral	tat Jana Mobile
Research Vig	nettes
Utilized MLEReduced dataWorked with	in quantum gases
Applied WM.Conducted sh	and spectroscopy

Polarization Structure of Laser LightJanuary 2010 - May 2012

- Engineered features to intuitively describe properties of a thirteen-dimensional data set
- Related theoretical results to experimentally measurable quantities (e.g. laser power)

Additional Activities

Deep learning specialization	October 2018
- Deeplearning.ai Coursera 5 course specialization with weekly python programming assignm	ents
- Deep neural networks for image and time-series data (e.g. YOLO, VNN, LSTM, Attention	Networks)
Board gaming and data science	
- Own a library of about 50 board games and enjoy organizing weekly game nights	

- Scraped comments and ratings of more than 500 games on $\it boardgamegeek.com$
- Coded a collaborative filtering based recommendation algorithm in python using scraped ratings

- Volunteer hackathon hosted at MIT for preserving data from U.S. government web pages
- Developed web scraping scripts in python with selenium and requests to scrape pdfs and parse html/xml