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SUMMARY OF QUALIFICATIONS	Machine learning engineer and data scientist with a PhD in engineering and 18 years of experience in decision science, statistical analysis, the Internet of Things (IoT), signal processing, and program management	
EXPERIENCE	GitHub, Inc. Machine Learning Engineer	2017 to Present
	<ul style="list-style-type: none">• Develop machine learning models and pipelines on a variety of company data• Work with key stakeholders to productionalize multiple machine learning products for both internal and external consumption• Used statistical analyses to drive business decisions and product development	
	La Neige Analytics, LLC Founder and Chief Executive Officer	2015 to Present
	<ul style="list-style-type: none">• Worked with customers to identify data collection and analysis needs• Developed custom data pipelines and collection strategies tailored to clients	
	University of Illinois, College of Engineering Assistant Professor	2012 to 2017
	<ul style="list-style-type: none">• Supervised a multidisciplinary team of approximately 30 postdocs, graduate students, and undergraduates• Awarded more than \$4M in federal research funding in machine learning, data science and cloud computing	
	Central Intelligence Agency Technical Intelligence Officer	2009 to 2012
	Los Alamos National Laboratory Scientist IV and Senior Project Leader	2002 to 2009
	<ul style="list-style-type: none">• Conducted and published research in data analysis and signal processing• Managed research budget of approximately \$3M and a small team of researchers and students	
EDUCATION	Ph.D., Nuclear Engineering , University of Michigan, Ann Arbor, MI M.S., Nuclear Engineering , University of Michigan, Ann Arbor, MI B.S., Physics and Astronomy , University of Michigan, Ann Arbor, MI	Dec 2002 May 1998 May 1997
ADDITIONAL TRAINING	The Data Incubator , Washington, DC Student in 6-week intensive data science course for PhDs in STEM	June 2015
COMPUTER SKILLS	Python, Neo4j, Apache Spark, Hadoop, SQL, MATLAB, Machine Learning, Cloud Computing (Amazon AWS, MS Azure, Google Cloud, Digital Ocean), Linux, Mac OS, Windows	
ACTIVITIES AND INTERESTS	Ski & Toboggan Instructor and Basic Ski Patroller in National Ski Patrol (R022-220098) from 2004-2010	