Ryder A. McMinn
~$ Data Scientist

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💼 EXPERIENCE

Microsoft, Cambridge, MA
June 2018 - Present
Data Scientist Intern - Artificial Intelligence & Research
• Acted as a data scientist on a agile software development team that was able to take a project from idea to shippable production code in 12 weeks
• Extracted insights and business value via exploratory data analysis using unstructured log data that informed better project scoping and opportunities for growth
• Leveraged Python, pandas, sklearn, and nltk to prototype machine learning models to build smarter consumer functionality into our product
• Wrote production C-Sharp code that utilized online-learning techniques to progressively personalize a user experience as they engage with Microsoft technologies

Indiana University, Bloomington, IN
Jan 2018 - Present
Graduate Research Assistant - Computer Vision Lab
• Assisted research in Object Detection, Image Classification, Effective Neural Network design (Feed Forward, CNN, RNN-LSTM), and Machine Learning techniques
• Implemented Keras, Tensorflow, and PyTorch models that leverage GPU computations using CUDA C++ and Python on Nvidia Linux clusters

Indiana University, Bloomington, IN
Apr 2017 - May 2018
Data Analyst
• Directed implementation of a new enterprise system to provide faster reporting
• Installed proper security protocols while maintaining data integrity truant to Indiana University data policies and FERPA legal requirements
• Managed the user base and proper work processes as the root administrator for the enterprise system
• Served as primary contact for third-party representatives and aided their transition to our system
• Created a new, innovative data pipeline that supplements data workflows to handle effective reporting and metrics

Indiana University, Bloomington, IN
Jan 2016 - May 2016
Undergraduate Researcher
• Developed project spaces and maintained servers for ongoing research projects Using PHP
• Designed experiments to test cybersecurity effectiveness using eye and mouse tracking while browsing webpages
• Analyzed experiment data using clustering techniques like KNN and DBSCAN and heat map visualizations
• Designed a predictive model that determines a particular user's online threat risk

Blue Burro, Bloomington, IN
Oct 2014 - Jun 2015
Front-End Javascript Developer
• Developed the front-end admin panel and other various components on Blue Burro's Application Draft Once
• Prototyped different panel configurations using A/B testing, while gauging effectiveness using Statistical Hypothesis Tests.
• Partnered with another developer to design, implement, and troubleshoot a simple and seamless administrative experience using Javascript technologies.

🎓 EDUCATION

Indiana University, Bloomington, IN
Aug 2017 - May 2019
Masters of Science (M.S.) in Data Science
Specialization: Computational & Analytical Track
Focus on Artificial Intelligence & Machine Learning

Indiana University, Bloomington, IN
Aug 2012 - May 2017
Bachelors of Science (B.S.) in Computer Science
Specialization: Computer Systems

</> SKILLS

Programming Languages: Python, C/C++, SQL, R, JavaScript, Java, HTML/CSS , Bash, MatLab, PHP
Databases (SQL & NoSQL): PostgreSQL, MongoDB, sqlite3, MySQL, HDFS, HBase
Machine Learning & AI Libraries: scikit-learn (sklearn), xgboost, pandas, numpy, pymc3, tensorflow, keras, pytorch, opencv, nltk, lightgbm
Data Visualization: matplotlib, seaborn, Juypter Notebooks, ggplot
Distributed Computing: Hadoop, Linux Server Administration, AWS, Spark, Airflow

Updated: June 20, 2018