Austin Lasseter, PhD

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SUMMARY
I'm a life-long learner who loves to share with others the latest advancements for automation of AI/ML in the cloud. I'm fascinated by the intersection of Software Development and Machine Learning with AWS!

CURRENT ROLE (FULL-TIME)
Senior Engineer, ScienceLogic (September 2021-present)
- Develop applications for monitoring AWS services as part of the ScienceLogic AWS Powerpack
- Automate the building of AWS infrastructure for software testing via Terraform scripts
- Write and test Python code for monitoring AWS services using boto3, AWS CLI
- Create Python libraries to automate data collection from AWS environment and visualize trends
- Teach multiple engineering workshops, including 2-month course on Deep Learning for interns

CURRENT ROLE (PART-TIME)
Lead Data Science Instructor, General Assembly (November 2018-present)
- Extensively re-developed data science curriculum to include cloud deployment and deep learning
- Wrote & taught over twelve cohorts of Data Science (supervised and unsupervised learning)
- Wrote & taught five cohorts of Python programming with focus on deploying flask apps to cloud
- Wrote & taught three cohorts of data analytics (SQL and Tableau)
- Deployed over a dozen machine-learning applications to AWS and Heroku for student imitation
- Authored series of tutorials on Medium about AWS SageMaker and deploying endpoints

PREVIOUS ROLE (FULL-TIME)
Senior Data Scientist, US Department of Defense (October 2019-September 2021)
- Deployed deep-learning text classification model using AWS Sagemaker and AWS Textract
- Authored analysis and visualization of S3 data lake using AWS Athena and AWS QuickSight
- Developed graph database of social network using Apache Gremlin, loaded onto AWS Neptune
- Established AWS Academy Cloud Foundations course at Pentagon, taught 5 cohorts
- Managed cloud migration team building serverless software application in AWS GovCloud
- Nominated for 2020 FedScoop50 Award "Tech Champion of the Year"

PREVIOUS EXPERIENCE
- Senior Data Scientist, Deloitte Consulting (April 2018-October 2019)
- Senior Data Scientist, Summit Consulting (June 2016-Dec 2017)
- Senior Analyst, American Institutes for Research (April 2015-May 2016)
- Senior Analyst, Avar Consulting (April 2014-April 2015)
- Senior Analyst, Pearson (August 2013-March 2014)
- Analyst, American Institutes for Research (April 2011-August 2012)
- Analyst, SRI International (Sept 2009–February 2011)
- Graduate teaching assistant, University of Maryland, College of Education (2010)
- Middle school teacher (1996-2009)

SECURITY CLEARANCE & ACCESS
- US Dept of Defense TS-SCI Clearance (Adjudication Spring 2021)
- US Dept of Defense Secret Clearance (Adjudication Winter 2020)
- US Dept of Defense Form 2875 System Authorization Access

CERTIFICATIONS
- ScienceLogic Certified Expert (September 2021)
- AWS Data Analytics - Specialty Certification (July 2021)
- AWS SysOps Administrator Associate SOA-C02 Certification (Feb 2021)
- Udacity AWS Machine Learning Engineer Nanodegree (Nov 2020)
- AWS Certified Machine Learning - Specialty Certification (June 2020)
- Comptia Security+ Cybersecurity Certification (May 2020)
- AWS Academy InstructorAccredited Educator (Apr 2020)
- AWS Certified Developer - Associate Certification (July 2019)
- AWS Certified Solutions Architect - Associate Certification (Apr 2019)
- AWS Cloud Practitioner Certification (August 2018)
- General Assembly Data Science Immersive Course (April 2018)
- ScrumMaster Certification, Scrum Alliance (Jan 2018)
- IBM Certified Specialist in SPSS Statistics (Aug 2009)

TECHNICAL SKILLS
- Deep Learning (Amazon SageMaker, keras, tensorflow)
- Natural Language Processing (Amazon Textract, BlazingText, nltk, spacy, gensim, word2vec)
- Modeling, EDA and Data Analysis (xgboost, scikit learn, pandas, numpy)
- Data Visualization (Amazon Quicksight, plotly dash, matplotlib, seaborn, Tableau)
- Data Analysis (SQL, Amazon Athena, Quicksight, Glue)
- Graph Database (Apache Gremlin, Amazon Neptune)
- Cloud Infrastructure (CloudFormation, Terraform, Golang, bash scripting)
- Cloud Computing with AWS (Lambda, CloudFront, S3, EC2, RDS, ElasticBeanstalk)

EDUCATION
- Ph.D. Education Policy, University of Maryland, College Park MD (2013)
- M.A. Education Policy, University of Maryland, College Park MD (2009)
- B.A. Classics, University of Dallas, Irving TX (2004)

PORTFOLIO
https://austinlasseter.com/index.html#projects

- Deploying an NLP model with SageMaker Serverless Endpoint and AWS Lambda
- Classification of Handwritten Digits using XGBoost
- Convolutional Neural Net Image Classifier
- LDA Topic Modeling of Medical Transcripts
- Graph Network Analysis of Github Repositories
- Deep Learning for Survival Analysis using DeepSurv Neural Cox Analysis