

STEVEN LEONE

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EDUCATION

University of Michigan , Ann Arbor	August 2025 - May 2027
<i>M.S. Statistics</i>	
• Cumulative GPA: 3.05 / 4.0	
Georgia Institute of Technology , Atlanta, GA	
<i>B.S. Computer Science, Minor in International Business Language, and Culture</i>	August 2018 - May 2022
• Cumulative GPA: 3.97 / 4.0; Major GPA: 4.0 / 4.0	
Statistics Courses: Time Series Analysis, Data Mining and Analysis, Stochastic Processes, Applied Statistics, Regression Analysis, Data Science in Python, Probability Distribution Theory, Bayesian Modeling, Statistical Machine Learning, Statistical Theory	
CS Courses: Natural Language Processing, Machine Learning, Databases, Analysis of Algorithms, Data Structures, Objects and Design, Networks, Info Security, ACL, Robotics	

RESEARCH EXPERIENCE

Automated Algorithms Vertically Integrated Project , Atlanta, GA	August 2020 - May 2022
<i>Undergraduate Research Assistant Team Leader</i>	
• Lead a team of 14 students in researching neural architecture search for question answering systems on the SQuAD dataset. Leveraged skills in Python, Keras, SQL, and CUDA. Applied ML and math libraries to do exploratory analysis.	
Data and Behavior Research Lab , Atlanta, GA	January 2019 - December 2019

EXPERIENCE

Mercor (Project Astra, Theta, Guppy) , Sunnyvale, CA	February 2025 - Present
<i>Software Engineer</i>	
• Analyzed, debugged, and documented software scripts in Java, Python, C, Rust, HTML, and Javascript.	
• Analyzed, labelled, and approved ML scripts in Pytorch; annotated and fixed responses generated by LLM's.	
Amazon, Alexa AI , Sunnyvale, CA	May 2022 - September 2024
<i>Software Development Engineer II</i>	
• Built and maintained code and infrastructure for improving the ranking and query understanding of a search engine; leveraged OpenSearch, EC2, and REST expertise to maintain and grow Alexa's local info technology stack.	
• Optimized feature transformers for XGBoost machine learning models and various algorithms for latency in Java.	
• Designed and built cloud native services on AWS Fargate and Sagemaker to host ML models in production, including a custom metrics system, CI/CD and pipeline infrastructure, and A/B experiment infrastructure.	
• Reduced cost for third party API calls by 80% by implementing a passthrough mechanism to fix logic involving 4 relevant API's across the organization, which enabled the search engine to avoid expensive and unnecessary calls.	
• Achieved an average absolute reduction of 5% in defective requests by integrating a third party API for location inference with a frontend service, achieving 20% of the organization's quality improvement goal for the year.	

Georgia Tech College of Computing , Atlanta, GA	August 2021 - May 2022
<i>Undergraduate Teaching Assistant for Computer Networks Course</i>	

OTHER EDUCATION

Stanford SCPD , Stanford, CA	September 2023-August 2025
<i>Non Degree Student Enrolled in Graduate Statistics Coursework</i>	
University of New South Wales , Sydney Australia	January 2020 - April 2020

SKILLS

Languages Ordered by Proficiency: Java, Python, R, Typescript, C, C++, SQL, Kotlin, Swift, Javascript, Scala, Assembly, CSS
Technologies: AWS, Fargate, OpenSearch, CDK, Sagemaker, ECS, EC2, RDS, Lambda, Pandas, Keras, Pytorch, Sklearn, XGBoost
Foreign Languages: German (intermediate), Spanish (elementary)