

Alexander John Frazier

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STATEMENT OF PURPOSE

Machine Learning Engineer with strong hybrid data science and data engineering skillset, capable of working with variety of different stakeholders and translating business requirements into production-deployed models

EDUCATION	Carnegie Mellon University	May 2018
	B.S. Information Systems, Statistics & Machine Learning (Dual Degrees) Minor in Neural Computation	GPA 3.4
	Georgia Tech University	Aug 2023
	M.S. Computer Science (Systems Specialization)	GPA 3.8

SKILLS	Programming Languages	Data Science and Machine Learning
	Python (6 years), R (2 years), Java (2 years), C (1 year), Ruby (1 year)	Tensorflow, Pytorch, SQL, Scikit-learn, Pandas, Numpy, Hadoop, Py-Spark, Keras, Shap, GGPlot
	Web Development	General Programming and Cloud
	HTML/CSS/JS, Django, Flask, Rails	Linux/Bash, GCP, AWS, Azure, Kubeflow, BigQuery

RELEVANT EXPERIENCE	Zscaler – San Jose, CA	May 2020 - May 2023
	Staff Machine Learning Engineer	
	<ul style="list-style-type: none">Project lead for ISP-Insights, modeling and dashboard of global ISP issues using TBs of customer web probe data and custom integrations with third-party apisCross-functional work to research and deploy a pyspark traffic classification model (Patent No. 17/567,310); increased server revenue 2.3M FY20 to 7.5M in FY21Designed the orchestration for our UEBA product, which identifies relationships between anomalous network activity and generates corresponding alerts for customer SOC teamsBuilt an AI “Digital Customer Success Manager” that allowed our Customer Success department to cover all unstaffed tech-touch accounts (>50% of company accounts)Built the data pipeline (Kubeflow) for our internal support latency monitoring system; helps our TAMs find the “needle-in-the-haystack” for complicated support issues	
	VMware – Palo Alto, CA	July 2018 – February 2020
Data Scientist		
	<ul style="list-style-type: none">Created a custom web app (Python, Flask) to host our teams competitive reportsUsed R, python, and SQL to analyze/visualize data (including internal & industry financials)Presented key analysis of strategy insights to our C-Suite/executives	
	Deloitte – New York, NY	June 2017 – August 2017
	Cyber Risk Engineering Intern	
	<ul style="list-style-type: none">Integrated a Security Information and Event Management tool with a ticketing system (Python and Jira API) to write and update tickets for new managed threat platform	
	VMware – Palo Alto, CA	May 2016 – August 2016
	Information Security Intern	
	<ul style="list-style-type: none">Built a customer experience toolkit library (Javascript) that won the company hackathonDeveloped scripts to automate the security training and re-structure firewall rulesBuilt a custom web app (CSS, HTML, Javascript) to gamify employee phishing training	

ACTIVITIES	Los Gatos Creek Trail Marathon, 2x Morro Bay Triathlon, Horseshoe Lake 50K	2020 - Present
	CMU Club Basketball Founder, President, and Coach	March 2016 – May 2018