

Albert Yen

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OBJECTIVE: I offer a multifaceted perspective to contribute effectively to your mission. My current role as a Sr data scientist specializing in deep learning, combined with my education in Cybersecurity focusing on data availability and integrity, has equipped me with the skills to tackle complex data challenges. Additionally, my experience in sales engineering honed my ability to create data visualizations to distill complex data into actionable insights. I'm in San Francisco Bay Area and open to onsite, hybrid or remote work – also open to relocation.

EDUCATION

New York University, <i>M.S. in Cybersecurity</i>	August 2022
University of Florida, <i>B.S. in Economics</i>	August 2016
City College of San Francisco, <i>Postbaccalaureate in Computer Science</i>	May 2019
City College of San Francisco, <i>Computing Skills for Scientists Certificate</i>	May 2019

SKILLS

Programming, frameworks, and Scripting Languages: Java, C, Python, TensorFlow, Apex, JSON, SQL, Shell Scripting, & Assembly Language
Software Development and pen testing tools: GCP, BigQuery, Tableau, Docker, Kubernetes, Django, Salesforce, Git, and Kali Pen testing tool set
Certifications: NYU Leadership Initiatives Certification, NYU Cyber Fellows Python Certification, NSA CAE Cyber Defense Certification

Languages: English, Mandarin Chinese, and Chamorro

RELEVANT EXPERIENCE

SOSI <i>Senior Data Scientist, Deep Learning</i>	San Francisco May 2024 – Now
<ul style="list-style-type: none">Led optimization efforts for Named Entity Recognition (NER) tasks on Chinese datasets, fine-tuning models including but not limited to: Bert, Ernie, and GPTDeveloped and implemented optimized chunking strategies aimed at significantly improving search and retrieval efficiency for analysts dealing with extensive datasets containing millions of observations, enhanced workload efficiency by 87% for analysts	
Accenture <i>Data Scientist, Applied Intelligence</i>	San Francisco, CA August 2019 – December 2023
<ul style="list-style-type: none">Leveraged machine learning expertise by building proof of concepts (POCs) with LLM solutions, and delivering interactive demos to showcase financial services and CMT software solutions for different client needs at Salesforce's Dreamforce conferenceManaged a team of 12 interns and analysts to generate training data and refine LLMs within Amazon's AWS BedrockLed the development of machine learning (ML) optimization models to derive insights from consumer data for clients' sales teamsDesigned and implemented end-to-end natural language processing (NLP) solutions for a telecommunications chatbot, addressing various business use cases such as cross-selling productsLeveraged TensorFlow and NLP libraries to analyze customer sentiment from reviews, optimizing grant allocation efficiencyProvided code reviews and created user guides that include feedback to establish best practices for ensuring traffic data accountabilityConducted statistical analysis to identify key variables for training ML models focused on fraud detectionAchieved 94% accuracy in detecting high-traffic network abnormalities associated with fraudulent activitiesConducted Python-based A/B testing, created insightful dashboards with Tableau; packaged code and led presentations for clients	
City College of San Francisco <i>Computer Science Teaching Assistant</i>	San Francisco, CA January 2019 – August 2019
<ul style="list-style-type: none">Developed automated exam grading code and tutored 35 students on the Software Development Life Cycle (SDLC) process	
NASA <i>Aerospace Scholar</i>	Mountain View, CA October 2018 – July 2019
<ul style="list-style-type: none">Led the Navy team as Team Captain to analyze sensor data from our Mars Rover prototype and optimize software code	
Yelp <i>Technical Client Partner</i>	San Francisco, CA August 2016 – February 2018
<ul style="list-style-type: none">Oversaw a portfolio exceeding \$1.2M, transforming campaign data into actionable insights to make strategic decisionsPromoted from sales department in 2017 with stellar metrics: exceeded Q1 quota by 200.26% and Q2 quota by 396.16%	
PROJECTS	
New York University <i>NYU Tandon Graduate Fellow in Cybersecurity</i>	New York, NY September 2020 – September 2022
<ul style="list-style-type: none">Conducted testing and validation of my graduate thesis on countermeasures for data poisoning using TensorFlow, identifying poisoned data points through analysis of neighboring feature vector scoresAudited a reference monitor in C to ensure data integrity of gift card systems, implementing solutions with unique nonces and saltsResolved vulnerabilities in a Django website to mitigate cross-site scripting (XSS) and SQL injection attacks, ensuring robust protection	
NASA <i>Principal Investigator, Lucy Student Pipeline Accelerator and Competency Enabler (L'SPACE)</i>	Phoenix, AZ May 2019 – August 2019
<ul style="list-style-type: none">Performed statistical and exploratory data analysis with Python for cost projections in our team's proposal for NASA	
University of Florida <i>University Researcher in Economics and Statistics</i>	Gainesville, FL January 2015 – August 2016
<ul style="list-style-type: none">Conducted statistical and exploratory data analysis with Python to generate accurate cost projections for our team's NASA proposal	