DAN MURPHY

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PROFESSIONAL SUMMARY

Result-driven data analytics professional with expertise in data processing, statistical analysis, and machine learning. Proven ability to derive actionable insights from complex datasets to drive strategic decisions and process improvements. Seeking to pivot into network and cloud computing to leverage analytical skills in enhancing cloud infrastructure, optimizing network performance, and developing scalable, data-driven solutions.

EDUCATION

University of California, Riverside – Riverside, CA   December 2025
  Master of Science, Computer Science

University of California, Riverside – Riverside, CA   June 2021
  Bachelor of Science, Computer Science

TECHNICAL SKILLS

Skills: Task Automation, Data Pipelining, Network & Server Management
Languages: Python, C++, Java, SQL, NoSQL
Certificates: Pursuing CCNA, Network+, Cloud Essentials+
Tools: Excel, Tableau, AWS, Apache Spark, PowerShell, Bash

EXPERIENCE

Sunscape Eyewear – Irvine, CA   June 2024-Present
Business Analyst
- Spearheading data collection processes, data storage, and reporting tools using Tableau, SQL and Python with various APIs
- Formulating strategic KPIs with executives to provide actionable data-driven insights and enhancing client relationships
- Creating root cause reports by analyzing customer data to improve customer retention
- Applying predictive models to predict target groups and optimize launch dates to maximize sales

AAA Tree Service – Murrieta, CA   Sept 2021-May 2023
Data Engineer
- Designed and built databases from scratch with high-level architectural design patterns
- Automated daily tasks and workflows to streamline data ingestion, reducing manual intervention by 250%
- Collaborated with cross-functional teams to gather insights and requirements to deliver data solutions

Lodestone Real Estate – Murrieta, CA   Oct 2018-July 2021
Data Analyst
- Built and maintained a centralized data warehouse in AWS Redshift, integrating data from diverse sources
- Designed interactive dashboards in Tableau to track property performance metrics, enabling agents to make data-driven pricing and investment decisions
- Automated ETL workflows to reduce manual data preparation time by 42%
- Collaborated with business stakeholders to define KPIs, analyze market trends and customer demographics

ERA Donahoe Real Estate – Menifee, CA   Aug 2016-July 2018
System Administrator
- Configured and managed Window's server environment; active directory, group policies, network drives, etc.
- Maintained and monitored a flexible hybrid IT infrastructure, ensuring seamless daily operations
- Leveraged PowerShell scripts to automate system updates, patches, log management and system monitoring
- Coordinated routine system backups during low-usage periods to minimize disruption and maximize uptime
- Proposed and led migration of on-site data storage to hybrid network and cloud-based file system, reducing IT maintenance and overhead by 50% and improving accessibility for remote teams