DAN MURPHY

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EDUCATION

University of California, Riverside – Riverside, CA   December 2024
  Master of Science, Computer Science

TECHNICAL SKILLS

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

EXPERIENCE

Sunscape Eyewear – Irvine, CA   June 2024-Present
Data Scientist
- 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

Sunscape Eyewear – Irvine, CA   April 2023-June 2024
Data Scientist Intern
- Built data collection processes and reporting tools using Tableau and SQL from scratch
- Optimized SEO with predictive modeling yielding an 18% increase in site traffic
- Improved customer retention by 32% by analyzing trends and revealing actionable insights
- Enhanced product targeting and forecasting via predictive models resulting in an 180% increase in sales
- Collaborated directly with the executive team to define and report on KPIs for multi-million-dollar companies, resulting in data-driven decision making and enhanced client relationships

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