

Dirk Strong Van Curan II

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PROFESSIONAL PROFILE

Dynamic, intuitive professional, with proven success implementing data science solutions to achieve company objectives through machine learning models. Reputation for innovative problem-solving using data driven approach and ability to communicate vision and results to both technical and non-technical stakeholders.

EXPERIENCE

Data Engineer – Cloud Analytics

NexusLeap

Maine

Mar. 21- Present

- Lead analyst on high-impact projects from C-Suite of multi-billion-dollar leader in Supply Chain and Logistics
- Migrated distributed data sources from on-prem servers and tabular formats into Cloud/Big Data frameworks
- Orchestrated complex ETL pipelines to automate and streamline enterprise-wide business processes
- Converted manual processes to event-driven workflows, cutting processing time by 90%, saving \$250,000 annually
- Built complex visual data representations for C-Suite stakeholders to inform high-stakes business decisions

Co-Founder

Strong & Co. Goods

Seattle, WA

2016 - Present

- Researched products utilizing data driven approach and analysis tools including JungleScout, MerchantWords to determine demand and viability
- Analyzed aspects of the supply chain to keep costs low while ensuring high quality sourcing, packaging, and delivery
- Developed sustainable mechanisms and workflows to ensure leadership team could step in to operate the business and rely on existing data pipelines to inform business direction
- Negotiated pricing, packaging, and facets of sourcing products from multiple vendors

Foodservice Consultant

Strong & Co. Goods

Seattle, WA

2017-2018

- Utilized company and 3rd party data to optimize product and service delivery to new target markets using mixed marketing strategies to increase brand awareness
- Achieved new business growth of 33% in 2017, including 9 new accounts
- Communicated with clients and developed strategies using their sales and marketing data to help create new strategies to sustain and increase business
- Met with customers, sales team, and brokers to develop premier marketing, and advertising programs while executing successful events

Chef and Business Development Partner

Foods of Vail

Colorado

2008-2016

- Analyzed customer and sales data to help drive business decisions for increased sales, decreased costs, or increased operational efficiency
- Developed and managed sales program and CRM to increase private chef bookings, increasing sales in 2014 by 34%
- Managed a team of chefs, drivers, and office employees to deliver multiple projects from 6 course meals to buffet dinners

SKILLS

Languages: Python (3+ years), PySpark (1+ year), SQL (3+ years), HTML (1+ years), CSS (1+years)

Tools:

- AWS: Glue, S3, Redshift, Lambda, CloudFormation, SNS, SQS, IAM, CodeBuild, CodeDeploy, CodePipeline, Athena
- Cloud Infrastructure: Serverless Framework, Jenkins, CI/CD
- Data Frameworks: Apache Spark, Apache Hadoop, SparkSQL
- Data Presentation: PowerBI, Tableau
- Relational Databases: SQL (Postgres, MySQL, MSSQL, SSMS), NoSQL (MongoDB)
- Data Migration: SSIS (On-Prem to Cloud, Flat file to Cloud, Standard file types to high performance: Parquet, Avro, etc.)

Domain Knowledge:

- Supply Chain and Logistics (Order Planning, Predictive Pricing, Customer/Supplier Profitability)

- Data Engineering (ETLs, Datalakes, Data Warehouses, Dashboarding/Reporting)
- Machine Learning (Regression, Clustering, Decision Trees)
- Data Preprocessing (One-Hot Encoding, Normalization/Standardization, Dimensionality Reduction/PCA)
- Data Visualization (Exploratory Analysis, Geospatial, Temporal, Hierarchical)
- Model Evaluation (Train/Test Validation, Ridge Regression, K-Fold Cross Validation, Elbow Methodology)
- AGILE/SCRUM Methodology

EDUCATION & CERTIFICATIONS

AWS Cloud Practitioner	<i>July 2021</i>
Data Science Certification, Flatiron School	<i>2019</i>
University of Colorado, Boulder Major: B.A., Comparative Religious Studies	<i>2012</i>

NOTABLE PROJECTS

Football Player Prediction Determining football (soccer) player archetypes through machine learning	<i>http://football-player-predictor.herokuapp.com/</i>
King County Housing: Price Predictions Determining Housing Price through discovery of contributing factors	<i>https://dirkstrong1.github.io/jupyter_notebooks/housing_predictions.html</i>
Zillow Housing Market Analysis Investigating real estate investment markets using time series analysis	<i>https://github.com/dirkstrong1/Zillow_Housing_Predictor</i>