

Clair J. Sullivan

Data science leader with 22 years of experience including end-to-end data science, focused on business outcomes.

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EXPERIENCE

Vail Resorts, Director of Data Science

MAY 2022 - PRESENT

Leading a team of data scientists and machine learning engineers on external- and internal-facing solutions for GTM and guest-facing operations applications. Strategizing and collaborating with cross-functional teams, including with non-technical stakeholders, driving decision making and generating impact/ROI. Mentoring team (ICs and managers) on building scalable data pipelines and models, generating insights and data-driven decisions.

La Neige Analytics, Founder and CEO

JULY 2015 - MAY 2022

Providing data science capabilities to customers in the ski industry. Lead the architecture and development of data-driven solutions. Regularly present data and technical output that enables stakeholders to make informed and data-driven decisions using ambitious solutions and data science vision. Guiding customers in identifying areas where data science can deliver efficiency and increased sophistication.

Neo4j, Data Science Advocate

JANUARY 2021 - MAY 2022

Interfacing with the international community of data scientists on graph theory and machine learning as well as mentoring junior data scientists. Leading, developing, and supporting the growth of interns on the team. Utilizing strong verbal and written communication skills as well as excellent presentation skills. Actively involved in evolving the technical proficiencies of the team, company, and international community.

GitHub, Machine Learning Engineer

AUGUST 2017 - DECEMBER 2020

Led and organized work to create a variety of machine learning models including scoping, delivery, and deployment in production at scale to deliver data-driven solutions across the company. Mentored interns on the team as well as colleagues looking to expand their skills. Represented the data organization to the executive staff, business leaders within the

SKILLS

Python, SQL, Neo4j, Apache Spark, machine learning (scikit-learn, TensorFlow, graph-based data science/ML, NLP), data visualization, cloud computing (AWS, Azure)

SELECT AWARDS

American Nuclear Society,
Mary J. Oestmann
Professional Women's
Achievement Award (2015)

DARPA Young Faculty Award
(2014)

Univ. of Illinois American
Nuclear Society Excellence in
Undergraduate Teaching
(2015, 2013)

CIA Exceptional Performance
Award (2010)

LANL Distinguished
Performance Award (2004)

github.com/cj2001
medium.com/@cj2001

company, software engineers (front- and back-end), and security professionals in a variety of cross-functional problems and data initiatives. Identified new methods of analyzing data and evolved the technical proficiencies of the entire company and data science discipline. Mentored interns to start their careers in tech.

University of Illinois, Asst. Professor

AUGUST 2012 - AUGUST 2017

Managed, led, developed, and supported the growth of an R&D team of 30 postdocs, graduate students, and undergraduate data scientists by providing ambition and vision to deliver sophisticated and usable solutions to complicated problems in data science. Continued to evolve the technical proficiencies of the team in unexpected ways and solutions. Utilized project management skills including project scoping, budgeting (\$3M+ budget), delivery, and deployment of large-scale data science solutions utilizing AWS cloud solutions.

Central Intelligence Agency, Technical Project Manager

JUNE 2009 - JULY 2012

Project manager for a variety of data-related projects, including scoping, budget management (\$50M+ budget), delivery, and deployment. Presented data and technical output that enables stakeholders, including the highest levels of the federal government, to make informed and data-driven decisions. Drove and supported a culture of technical progression through both performance and usability of developed solutions. Provided efficient and usable solutions while working with a multidisciplinary team.

Los Alamos National Laboratory, Senior Project Leader

OCTOBER 2002 - JUNE 2009

Led a variety of data science projects with experience in managing budget and personnel. Provided vision and scoping for data-driven products. Regularly worked to lead, develop, and support the growth of team members and interns. Identified areas where data science delivered efficiency and increased sophistication.

EDUCATION

University of Wisconsin MBA Consortium, Eu Claire, WI

MBA, anticipated December, 2025

University of Michigan, Ann Arbor, MI

Ph.D., Nuclear Engineering, 2002

M.S., Nuclear Engineering, 1998

B.S. Physics, Astronomy (dual) 1997