Sasha Anderson

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SUMMARY

Solution-oriented analytical professional with exceptional management, organizational, financial, and technical skills looking to join an organization focused on delivering high quality products to users. Able to manage and prioritize multiple projects and budgets. Personable and helpful colleague who works well autonomously and provides strong leadership to develop and realize a vision.

EDUCATION

Georgia Institute of Technology   May 2021
M.S. Computer Science with an Emphasis in Machine Learning, GPA – 3.85

- Machine Learning (Decision Trees, Boosting, Neural Networks, kNN, SVM, Randomized Hill Climbing, Simulated Annealing, Genetic Algorithms, K-means, Expectation Maximization, Dimensionality Reduction, and Reinforcement Learning Algorithms)
- Machine Learning for Trading (Applied Linear Regression, Q-learning, kNN and Regression Trees);
- Artificial Intelligence for Robotics (Probabilistic Inference, Planning and Search, Localization, Tracking and Control);
- Data and Visual Analytics (Organized Fragmented Data, Build Visualizations, Modeling – Network, SGD, and SVM Analysis);
- Software Development Process (Agile Processes, Android App Development);
- DB Systems Concepts & Designs (Relational Databases, Design, Query, Concurrency Control, and Recovery)
- Graduate Algorithms (Techniques in the design and analysis of algorithms)
- Big Data for Healthcare (Predictive modeling, Computational phenotyping, and Patient similarity - Hadoop, Hive, Pig, Scala, Spark, Docker, AWS, etc.)

California State University, Fresno   Dec. 2007
M.A. Mathematics, GPA – 4.0

- Courses (Real Analysis, Linear Algebra, Probability Theory, Mathematical Modeling); Research project on probabilistic Banzhaf power (Analysis of the power of voters within a weighted voting system such as the electoral college)

University of California at Santa Barbara   June 1998
B.A. Business Economics with an emphasis in Accounting, GPA – 3.64

CERTIFICATES

Coursera   Oct. 2017
Certificate (# KQ26AKAW8QNK) in Applied Data Science with Python Specialization

- Courses: Intro to Data Science, Plotting, Charting & Data Representation, Machine Learning (scikit, KNN, Linear and Logistic Regression, Multi-Class Classification, Clustering Algorithms, Applied Text Mining); Network Analysis (NetworkX, Analyze Network for Connectivity and Node Centrality).

Hackbright Academy – Engineering School for Women   June 2017
    Python (Programming logic, data structures, tools, and control flow).

United States Geological Survey (USGS) – Data Science Intern   Aug. 2020-Present
Virtual Internship
- Created a dashboard with mapped data and aggregate statistics for the Science Data Center metadata catalog
- Help users gain insight about the contents contained in the USGS Data Science Catalog with visualizations

Fresno City College – Dept. Chair/Statistics Instructor   Aug. 2008-Present
Fresno, California
- Courses: Statistics, Calculus, Trigonometry, Finite Math, Contemporary Math, Algebra, etc.
- Department chair duties – Identify, analyze and prioritize legal, administrative, and department needs and requirements; Complete program review using Tableau; Hire and manage employees; Schedule; Budget; Coordinate efforts to reform curriculum and policies; Lead meetings and trainings.
- Served on the Online Education Initiative Workgroup and Consortium; Collaborated to adopt technology resources that maximize economies of scale for the California community colleges; Develop system-wide resources for creating quality online courses; Communicate faculty concerns and recommendations to internal and external stakeholders.
- Completed multiple studies to evaluate the math placement process; Developed multiple measures placement procedures for the college; Coordinated efforts between colleges to align placement across the district; Performed district evaluation of new placement process.
- Member of ACCJC (accreditation) visiting evaluation team.
- Led and served on several selection committees which resulted in successful hires.

PricewaterhouseCoopers L.L.P – Assurance Associate   Sept. 1998- Jan. 2000
San Francisco, California
- Evaluated financial and non-financial data and assessed risk.
- Planned and carried out audit procedures for companies.
- Interviewed and conveyed solutions to clients.
- Worked in various industries such as technology, products, middle market, and financial services.
- Worked beside clients with tight timelines through initial public offerings.

PUBLICATIONS

- "Chemical Engineering for FE Exam from SciEngEd", Ashok Naimpally, Arshvir Kaur, Michael Hassul, Elaine Bernal and Sasha Anderson, SciEngEd Publishers, Chula Vista, California. September 2018