

Sasha Anderson

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RELEVANT EXPERIENCE

United States Geological Survey (USGS) – Data Science Intern

Aug. 2020-June 2021

Remote

- Needs Assessment to determine internal stakeholders' demands; Created internal dashboard to assess data status, citations, etc.; Helped users gain insight using visualizations, mapped data and aggregate statistics; Performed usability testing ([data manager dash](#), [science center dash](#)).
- Exploratory analysis to label custom entities (NERs) for geological models.
- Comparison of deep and shallow topic models to extract topics from a corpus of scientific abstracts and summaries.

Fresno City College – Mathematics/Computer Science Instructor

Aug. 2008-Present

Fresno, California

- Maintain curriculum; Adapt to state, department, and student requirements; Complete program and action plans; Conduct meeting and trainings; Co-lead grants and student clubs; Communicate faculty concerns and recommendations to internal and external stakeholders.
- Collaborated with statewide consortium to adopt technologies for California community colleges;
- 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 ([placement analysis](#)).
- Develop curricula and teach mathematics, statistics and computer science.

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 beside clients with tight timelines through initial public offerings.

EDUCATION

Georgia Institute of Technology, Atlanta

May 2021

M.S. Computer Science with an Emphasis in Machine Learning, GPA – 3.90

- Courses: Deep Learning, Machine Learning, ML for Trading, Data and Visual Analytics, AI for Robotics, Big Data for Healthcare, AI Ethics in Society, Software Development Process, Graduate Algorithms, Database Systems Concepts & Designs.
- Methods: Deep Learning, Trees/Random Forests, Classification, Optimization, Clustering, Dimensionality Reduction, Reinforcement Learning, Regression, Q-learning, Probabilistic Inference, Planning and Search, Localization, Tracking and Control, Predictive modeling.
- Tools: Python (pandas, sci-kit learn, PyTorch, spaCy, etc.), R, SQL, TensorFlow, Hadoop, Spark, Docker, etc.

California State University, Fresno

Dec. 2007

M.A. Mathematics, GPA – 4.00

University of California at Santa Barbara

June 1998

B.A. Business Economics with an emphasis in Accounting, GPA – 3.64