

ADAM S. BATCHELLOR

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SUMMARY:

Aspiring data professional making a career change after 20 years of military service. Experienced team leader, manager, and individual contributor in collecting, connecting, and communicating information to customers across the medical, higher-education, and renewable-energy communities.

PROFESSIONAL EXPERIENCE:

National Renewable Energy Lab, Golden CO | September 2024-Present

Data Visualization Scientist

- Created a dashboard utilizing an interactive map to display gate-use data for all five terminals at DFW airport
- Built web visualizations for a database enabling researchers to compare the properties of 40 samples at once
- Developed multi-figure user-interface for models describing the hydrogen fueling operations of fleet vehicles
- Extracted and transformed data from relational and NoSQL databases to improve reliability and accessibility

United States Air Force Academy, CO | 2011-2013, 2019-2024

Assistant Professor of Chemistry, 2011-2013, 2019-2024

- Designed courses for 1600 students focusing on data analysis and infographics with a 7% gain in test scores
- Developed style guides to improve the readability of reports and implemented visualization best-practices
- Trained students on data literacy and basic statistics to improve their ability to make data-driven decisions

Director of Curriculum and Course Design, 2023-2024

- Supported the professional development of teachers via lunch-and-learn events and certification programs
- Guided 48 faculty through five-week workshops focused on building inclusive and learning-centered classes

Director of Lab Operations, 2019-2020

- Led four-member team in lifecycle management of \$7.7M in lab equipment and over 500 unique chemicals
- Translated business requirements from 34 faculty to fund 29 lab-based courses on a \$150K annual budget

Maxwell Air Force Base, AL | 2016-2019, Hill Air Force Base, UT | 2005-2009

Bioenvironmental Engineer

- Led 40 health professionals conducting occupational and environmental assessments supporting 65K people
- Tailored technical docs to improve risk communication between medics, tradesmen, and decision-makers

TECHNICAL SKILLS: MS Word, MS Excel, MS PowerPoint, Jupyter Notebooks, Power BI, Tableau, Python, JavaScript, Processing, Matlab, CSS, HTML, ReactJS, R, RStudio, Plotly, Dash, ECharts, Docker, ETL, Statistics

EDUCATION:

MicroMasters, Big Data Analytics

University of Adelaide, (Projected) 2025

Doctor of Philosophy, Chemistry

University of Oregon, 2016

Master of Science, Chemical Engineering

University at Buffalo, 2011

Bachelor of Science, Chemical Engineering

Clarkson University, 2003

VOLUNTEERISM:

- Research mentor to five undergraduate students developing their ability to work and think independently
- Served as a host family for eight foreign exchange students by providing a welcoming home away from home
- Sole chaperone on four international trips allowing 20 students to develop cross-cultural communication skills