Austin Carey

SUMMARY

Conscientious individual with 10+ years of experience leveraging technical capabilities and subject matter expertise to analyze data to inform policy and drive business decisions. I also serve my country part time as a Military Officer and Pilot.

CORE COMPETENCIES

Data Analysis & Visualization | Stakeholder Relations | Project Management | Technical Reports | Aviation | Leadership

PROFESSIONAL EXPERIENCE

Senior Data Analyst | Salt River Project | Oct 2023 – Present
Data Analyst | Salt River Project | Oct 2022 – Oct 2023

- Develop business intelligence dashboards integrating SQL Server dbs and REST APIs to guide operational decisions (over ten dashboards ranked in the top 1% of usage within a 5,000+ person organization)
- Optimize business processes (data entry, analysis, reporting, etc.) by writing R and Python scripts
- Maintain and QA/QC database of record for all water resource datasets within the organization
- Project manager for multi-year study to evaluate snow instrumentation

Pilot | Missouri Air National Guard | Dec 2023 – Present

- Rated Pilot and 2nd Lieutenant

Data Analyst II | Central Arizona Project | Aug 2018 – Oct 2022

- Served as lead GoldSim modeler and project manager for three multi-year, regional scale assessments to forecast and evaluate water supply and demand over a 40-year horizon for Phoenix and Tucson areas
- Analyzed water operations data using SQL and analytical tools to inform state and federal water policy decisions
- Technical liaison between the organization and external stakeholders
- Distilled data analysis results into digestible and actionable items for senior management and board members

Renewable Energy Consultant | CORE Energy Group | Sep – Dec 2021

- Built strategic relationships with clients to assist them with solar energy solutions
- Awarded top sales representative for the company in Q3 of CY21

Technician | Hudbay Minerals | Jan – Aug 2017

- Developed a water quality assurance plan for proposed mine site
- Managed local and cloud-based geodatabases of instrumentation

CERTIFICATIONS

TS/SCI Clearance (Tier 5) | Federal Government | Jan 2024
Certificate of Leadership & Communication | Harvard X | Oct 2022
Certificate of Business w/ Management Emphasis | Pima CC | May 2018

📍 Tucson, AZ

📞 (307) 223 - 6035

✉ austinmartincarey@gmail.com

in LinkedIn

⚛ Google Scholar (Publications)

🌐 Website

EDUCATION

Master of Science – Hydrology & Water Resources
University of Wyoming, 2016
Awarded Outstanding Masters Student (1 of 3,000 students)

Bachelor of Science – Watershed Hydrology & Management
University of Arizona, 2013
Awarded Outstanding Graduating Senior (1 of 75 students)

SKILLS

Professional

Project Management |Stakeholder Relations | Professional Presentations | Sales Experience | Verbal and Written Communication | Leadership

Technical

Data Acquisition & Organization | Data Analysis & Visualization | Database Management | Microsoft Office and Google Suite | Statistical Analysis

Software & Programming

R & R Studio | Plotly | Shiny | Power BI Tableau | SQL | VBA | Python | REST APIs | HTML* | GoldSim | ArcPro | PgAdmin | Advanced MS Excel

* Indicates beginner competency

ADDITIONAL EXPERIENCE

- **Hydrologic Technician**
  U.S. Geological Survey
- **Researcher**
  Smithsonian Tropical Research Institute
- **Researcher**
  USDA – Ag. Research Service