

# 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. Aspiring military leader and aviator

## CORE COMPETENCIES

Data Analysis & Visualization | Stakeholder Relations | Project Management | Technical Reports | Programming | Flying

## PROFESSIONAL EXPERIENCE

**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

**Airman First Class** | Air National Guard | Feb 2022 – Present

- Air Force Officer candidate and C-130 pilot trainee
- Top secret security clearance (granted Sep. 2023)

**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

**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
- Participated in database development for compliance data
- Managed local and cloud-based geodatabases of instrumentation


## CERTIFICATIONS

**Private Pilot License** | Federal Aviation Administration | Apr 2023

**Certificate of Leadership & Communication** | Harvard X | Oct 2022

**Certificate of Business w/ Management Emphasis** | Pima CC | May 2018

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 [LinkedIn](#)

 [Google Scholar](#) (Publications)

 [Website](#)

## EDUCATION

**Master of Science – Hydrology & Water Resources**

University of Wyoming, 2016  
*Summa Cum Laude, Awarded Outstanding Masters Student (1 of 3,000)*

**Bachelor of Science – Watershed Hydrology & Management**

University of Arizona, 2013  
*Magna Cum Laude, Awarded Outstanding Graduating Senior (1 of 75)*

## SKILLS

### Professional

Project Management - Stakeholder Relations - Professional Presentations - Sales Experience - Active Listening - 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 - Power Automate - SQL - VBA - SSMS - Python - REST APIs - GoldSim ArcPro - PgAdmin - HTML\*

\* Indicates beginner competency

## ADDITIONAL EXPERIENCE

### • Hydrologic Technician

U.S. Geological Survey

### • Researcher

Smithsonian Tropical Research Institute

### • Researcher

USDA – Ag. Research Service