

# Austin Carey

## Data Analyst II

Conscientious and driven data analyst with 10+ years of experience working for academic institutions, government agencies and the private sector. Specialize in distilling complex information and analyses to inform business decisions and drive strategy.

### Experience

#### Data Analyst II | Central Arizona Project | 2018 – Present

- Lead modeler (via GoldSim) and project manager for three multi-year, regional scale assessments to forecast and evaluate water supply and demand over a 40-year horizon
- Analyze water operations data using SQL and analytical tools to inform state and federal water policy decisions
- Serve as technical liaison between the organization and external stakeholders
- Distill data analysis results into digestible and actionable items for senior management
- Serve as panel member/ water resource expert for the Pinal Partnership

#### Renewable Energy Consultant | CORE Energy Group | 2021 – 2022

- Build strategic relationships with homeowners to assist with solar energy solutions
- Awarded top sales representative for the company in Q3 of 2021

#### Technician | Hudbay Minerals | 2018

- Developed and implemented a water quality assurance plan for all activities performed on and around the mine site
- Collected, transformed, stored, and analyzed data for regulatory reporting requirements
- Worked on Locus EIM database development and design for environmental data
- Managed local and cloud-based GIS geodatabases of instrumentation and sampling locations

### Education

#### M.S., Hydrology and Water Resources | 2016, University of Wyoming

- Awarded Outstanding Masters Student and Outstanding Masters Thesis Awards (2017)

#### B.S., Watershed Hydrology and Management | 2013, University of Arizona

- Awarded Outstanding Graduating Senior Award (2013)

### Certifications

- Complete Salesforce Administrator Certification | Udemy | *In-Progress (20% Complete)*
- Python - Data Science and Machine Learning Bootcamp | Udemy | *In-Progress (50% Complete)*
- SQL Bootcamp – PostgreSQL & PgAdmin | Udemy | 2022
- Certificate of Leadership and Communication | Harvard X | 2021
  - Coursework: Leadership Foundational Principles, Persuasive Writing and Public Speaking
- Certificate of Business with Management Focus | Pima Community College | 2018
  - Coursework: Accounting, Business Math, Human Relations in Business and Industry

### Selected Publications and Presentations

- Invited Presentation | Arizona Hydrological Society | 2022
- Publication | Vadose Zone Journal | 2019
- Publication | Journal of Environmental Engineering Geophysics | 2017

### Additional Experience

- Hydrologic Technician | U.S. Geological Survey | 2017 - 2018
- Research Assistant | Wyo. Center for Environmental Hydrology & Geophysics | 2013 - 2016
- Scientist | Smithsonian Tropical Research Institute - Panama | 2015
- Research Assistant | USDA – Southwest Watershed Research Center | 2009 – 2013
- Intern | U.S. Department of Defense (*included security clearance*) | 2009 - 2010

### Personal Information:

Email: austinmartincarey@gmail.com

Phone: (307) 223 - 6035

Location: Phoenix, AZ

[Linkedin](#) | [Google Scholar](#) | [Website](#)

### Skills:

#### Professional:

- Project Management
- Customer/Stakeholder Relations
- Professional Presentations
- Excellent Verbal and Written Communication
- Sales Experience

#### Technical:

- Data Acquisition and Organization
- Data Analysis & Visualization
- Database Mgmt. and Design
- Technical Report Writing
- Dashboard Development

#### Software/Programming:

- R, RStudio, Python\*, SQL, PostgreSQL, PgAdmin, SSMS, GoldSim
- Power BI, Tableau\*
- HTML, JavaScript\*
- Advanced MS Excel, VBA, Pivot Tables, MS Access

\* Indicates beginner level competency

### Volunteerism:

Baby Hero Blood Donor  
2019 – Present

Town of Vail Representative  
Southeast Regional Council  
2018

Town of Oro Valley Representative  
Pima Association of Governments  
2017 – 2018

### Interests:

- Aspiring Private Pilot (43 hrs.)
- Backpacking, Hiking, Camping