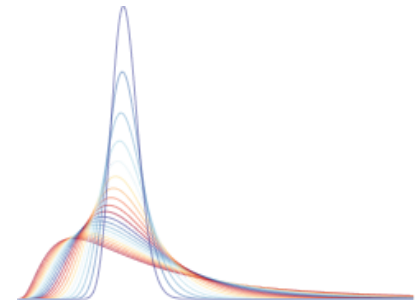# ANDRES GONZALEZ

Consistently improving my technology skillset: starting with GIS, moving to web development, now I am combining data analytics with robotic process automation.

I architected infrastructure for a startup company, The Valor Solution, to bring automation technologies to the medical billing industry. I also enjoy being full-time faculty at Central Arizona College, where I teach computer science to students and write new curriculum.

Searching for a position that incorporates cloud solutions with data science. It would be a plus if the data is about sustainability, geography, environmental, urban, or other earth systems.

⬇ **Download a PDF of this CV**

🎓 EDUCATION

MS, Candidate, Program Evaluation and Data Analytics

Present | 2020

Arizona State University — 📍 Tempe, AZ

- Working on R, Python, web libraries, and Robotic Process Automation
- Running multivariate statistical analysis for program evaluation
- Mining, cleaning, processing, and visualizing datasets.

Certificate of Full Stack Web Development

2019 | 2018

University of Arizona — 📍 Tucson, AZ

- MERN stack : MongoDB, Express, React, Node.js
- Built applications with front-end, back-end, and API calling.
- Graphic design with Adobe, user interface and experience, web layout CDN's.

MSUS, Master of Sustainability Solutions

2018 | 2016

Arizona State University — 📍 Tempe, AZ

- Project : GIS Cultural Mapping for city development and data driven decision making
- Project Management for transformational change, sustainable urban planning.
- Business sustainability for innovation, brand value, and risk mitigation.

BS, Environmental Science

2016 | 2012

St. Mary's University — 📍 San Antonio, TX

- Spatial Analysis and Geographic Information Systems
- Urbanization, Global Change, Geology, Environmental Law

CONTACT

✉ andres.gonzalez@centralaz.edu

✉ agonzalez@thevalorsoloution.com

✉ andresjgonzalez6@gmail.com

in https://www.linkedin.com/in/andre-gonzalez-943257113/

🐙 https://github.com/andresjgonzale

📞 (480) 734-3063

LANGUAGE SKILLS

R

Javascript (d3.js)

Python

Bash

SQL

C++

AWK

💻 RESEARCH EXPERIENCE

Robotic Process Automation Manager
The Valor Solution   📍 Phoenix, AZ

Present
|
2020

- Running AWS console with security groups, EC2 Windows and Linux instances, RDS Database instances, elastic IP settings, IAM User management.
- Managing Technology infrastructure and team of software developers, developing Robotic Process Automation processes through Automation Anywhere.
- Deploying rules engine logic for medical billing and clinical management.

CIS Professor
Central Arizona College   📍 Coolidge, AZ

Present
|
2020

- Teaching college students in person and online.
- Developing curriculum for CIS and GIS courses.
- Supporting students with career research and professional development.

💼 INDUSTRY EXPERIENCE

Professor of Computer Technology
Central Arizona College   📍 Florence, AZ

2020
|
2019

- Taught Arizona Department of Corrections (ADC) inmates in GIS, A+, and AutoCAD as workforce training to reduce recidivism and improve their career opportunities.
- Coordinated with Central Arizona College, ADC professionals, and federal grant coordinators to meet goals of the Second Chance grant.
- Graduated 45 students yearly, across 3 disciplines, with professional certifications from TestOut and AutoDesk.

GIS Technician I
EASi   📍 Phoenix, AZ

2019
|
2017

- Created and updated infrastructure assets, including: service lines, poles, transformers, distributed generation solar panels, and electrical meters.
- Researched parcel land modifications and updates APS' system using AZ county assessor's GIS, Google Maps, and satellite imagery.
- Operated as a GIS professional and consultant within the greater Utilities Vertical at EASi.

My sustainability training taught me that 'future innovations' were necessary to solve climate change and other global issues. Mastering data science is a step toward those future innovations.

Mapping Specialist

2017

BPG Designs

📍 Tempe, AZ

- Extracted visual features from multispectral lidar data and sent completed maps to the design department for permitting purposes, also conducted in-person field surveys with mobile GPS units.
- Performed extractions in Orbit, created maps in ESRI ArcGIS, processed data using Carlson, edited maps in AutoCAD Map 3D, updated progress in Access, and turned in deliverables using Outlook software.
- Operated in an independently driven environment to meet deadlines and open levels of communication along all members of the mapping department.

Barista

2017
|
2016

Starbucks

📍 Chandler, AZ

- Crafted cold and hot drinks, take orders, handle money, operate store machinery, maintain store cleanliness, prepare food, restock items for the next day, interact with customers, and collaborate with team members.
- Promoted new products, coffee culture, and personal knowledge of store menu to customers and others.
- Incorporated positive brand qualities like high-quality customer service and teamwork into every interaction.

Private Tutor

2017
|
2016

WyzAnt Tutoring

📍 San Antonio, TX & Phoenix, AZ

- Collaborated with students and parents to increase grades in classes and preparedness for Texas and Arizona state exams.
- Taught students subjects such as: ASVAB, Pre-Calculus, College Algebra, Algebra 2, Geometry, Algebra 1, 7th grade Writing, and 3rd grade Math.
- Scheduled follow up tutoring sessions and prepare progress reports for parents to review.

Sustainability Consultant

2017

General Motors

📍 Tempe, AZ

- Researched the future of multi-modal transportation opportunities and analyzed individual market demand for the car sharing service Maven.
- Specialized in paratransit opportunities and the Toronto Market, worked within our group in Corporate Sustainability class and GM experts.
- Developed an international community and municipal engagement plan to aid GM in new relationship-building opportunities.