

Roz King | Resume

4913 Cowell Blvd – APT D – Davis, CA 95618

☎ (916) 534-8519 • ✉ roz@rkingdc.com • 🌐 www.rkingdc.com

Education

University of California, Davis

Davis, CA

B.S., Psychology

Emphasis in developmental and biological psychology

University of California, Davis

Davis, CA

Minor, Statistics

Emphasis in statistical computing

Experience

Accenture AI

Sacramento, CA

Data Science Manager

Oct. 2019–Present

- Lead and mentor a team of data scientists and data engineers in a \$20 million Spark analytics replatforming
- Work closely with DevOps, Infrastructure, Data Science, and Project Management teams to ensure data scientists have required tooling and support
- Act as subject matter expert on Python, PySpark, and Relational Databases
- Designed and wrote the PySpark tooling use by my team

R. King Data Consulting

Davis, CA

Proprietor

Jul. 2014–Oct. 2019

Principal Consultant providing services in data analysis, data science, and data systems, targeting NGOs, non-profits, researchers, and early stage startups.

- Developed project proposals bringing in \$250k+ worth of work and exponential productivity gains for clients. 83% of project proposals resulted in a contract. 80% of those became return clients.
- Managed teams of subcontractors and embedded analysts
- Served as technical lead, main developer, and client point of contact on all data science, software development, and data engineering projects

UC Davis Continuing and Professional Education

Sacramento, CA

Data Analytics Bootcamp Instructor

Jun. 2019–Present

Instruct a 6-month long data science bootcamp, teaching applied skills in Python, JavaScript, PostgreSQL, and MongoDB to future data scientists.

Education Analytics

Remote employee for Non-profit based in Madison, WI

Data Operations and Technology Strategist

Nov. 2016–Jul. 2018

- Built and managed EAs data science infrastructure: Computational Data warehouses, data science pipelines, and compute servers
- Implemented neural networks that automated certain ETL nodes, removing the need for human intervention and reducing ETL process runs by a factor of 100
- Implemented modern git practices to streamline teamwork on large projects
- Encouraged use of and maintained infrastructure for internal R and python packages, increasing reproducibility and testability while reducing errors, redundancy, and duration of new data scientist on-boardings.

Value Added Research Center

University of Wisconsin, Madison Education Research Center

Programmer Analyst

Apr. 2015–Nov. 2016

Implement complex statistical models with SAS and R, perform research on predicting models for student behaviors and abilities, proposed and implemented unsupervised learning methods for tracking complex student trajectories.

UC Davis Agricultural Innovation Project

Remote

Software Developer

Oct. 2014–Dec. 2016

Proposed, designed, and built [Agroft](#): an open source statistics web application to help agriculture researchers in Pakistan analyze data from field trials and learn R. Written in R.

UC Davis MIND Institute

Sacramento, CA

Clinical Data Manager and Analyst

2010–Mar. 2015

Design and Maintain relational SQL database of medical data, construct complex datasets for collaborative projects, generate automated data reports with R and LaTeX, write scoring programs in MySQL stored procedure language, lead research projects as diverse as outlier detection in high dimensional data, enhanced matched sample techniques for small samples, and discovering psychophysiological (eye-traction, vocalization patterns) markers in autism.

Volunteer Work

University of Wisconsin Phylogenetics Computing Lab: I worked to translate algorithms for analyzing phylogenetic networks from R into Julia.

Injustice Boycott Analytics Lead: Led the Analytics team of the Injustice Boycott in an attempt to increase effectiveness of outreach campaigns.

Wisconsin Transgender Health Coalition: I provide data analysis and application development resources to a team working to increase healthcare access for trans youth across Wisconsin.

Community Mentorship: at R. King Data Consulting I hired and mentored recent graduates who are interested in expanding their skills in data processing and analysis

Hobbies

Tech Blogs: I maintain a blog covering interesting problems and methods in data science.

Music: I play drums in a local jazz band.

Interests

Technical.....

- Interactive Data Visualization
- Exploratory Data Analysis/Data Mining and Feature Extraction
- Database Normalization and Data Modeling
- Extract-Transform-Load workflows
- Open Source Software
- Distributed Computing/Parallel Processing

Non-technical.....

- Social and Economic Justice
- Effective Communication of Technical Ideas
- Open Access to Information

Relevant Skills

- Python and R programming
- Spark, PySpark, EMR
- PostgreSQL, MySQL, Relational Database Management, SQL Procedural Languages, ORMs
- git, GitLab, Github, and version control
- Docker and Containerizing Applications
- Data analysis, statistics, research methods
- Production machine learning pipelines
- Personnel Management and Development
- Linux server management and shell scripting
- Web-application development in R (shiny) and Python (Flask, Dash)
- \LaTeX , Markdown, automated reporting methods
- SAS code and macro language