DHEERAJ CHAND
Director of Research and Analysis

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PROFESSIONAL SUMMARY

Research and Data Analytics Leader with 20+ years of experience directing applied research projects from conception to completion focused on economic mobility, community development, and social impact. Proven track record of leading cross-functional teams, translating complex research insights for diverse stakeholders including elected officials and community organizations, and implementing evidence-based solutions that drive meaningful outcomes. Expert in research methodology design, statistical analysis, and community partnership development with extensive experience serving vulnerable populations and addressing systemic poverty challenges.

CORE COMPETENCIES

Applied Research Leadership

Applied Research Project Management (Conception to Completion) • Research Methodology Design and Implementation • Cross-functional Team Leadership and Mentoring • Stakeholder Communication and Translation of Complex Findings • Evidence-Based Framework Development • Survey Methodology and Consumer Insights • Statistical Analysis and Data Validation

Technical Proficiency

Programming: Python (Pandas, SciKit, TensorFlow, Django), R, SQL, Scala
Data Platforms: PostgreSQL, MySQL, Snowflake, Spark, MongoDB, Oracle
Analysis Tools: Excel (Advanced), Tableau, PowerBI, SPSS, SAS
Research Tools: Survey Design, Sampling Methodology, Statistical Modeling
Geospatial Analysis: ESRI ArcGIS, Quantum GIS, PostGIS, OSGeo

Strategic Operations

Community Partnership Development • Government Relations and Policy Analysis • Multi-million Dollar Project Management • Performance Measurement and Evaluation • Data-Driven Decision Making for Social Impact • Public Systems Integration • Stakeholder Briefing and Expert Testimony

PROFESSIONAL EXPERIENCE

PARTNER

Siege Analytics, Austin, TX | 2005 – Present

Leading Applied Research Projects with Community Development Focus

- Direct comprehensive applied research projects from conception to completion for organizations focused on economic mobility and community development
- Lead multi-million dollar research initiatives involving sensitive demographic and economic data addressing poverty and community health challenges
- Translate complex research findings for diverse stakeholder groups including elected officials, NGO leadership, and community organizations
- Collaborate with government agencies and research institutions to develop evidence-based solutions addressing systemic poverty
- Manage client relationships across public sector and nonprofit organizations, consistently delivering research that drives strategic decision-making
- Develop custom analytical tools processing billions of records to identify patterns in economic mobility and demographic trends

DATA PRODUCTS MANAGER
Helm/Murmuration, Austin, TX | 2021 – 2023

Research Team Leadership and Methodology Innovation

- ■ Led cross-functional team of eleven data engineers and analysts focused on community organizing and social justice research
- ■ Managed national research team of five analysts specializing in community engagement and demographic analysis
- ■ Overhauled organization research methodology and data collection operations, significantly improving accuracy and response rates
- ■ Designed comprehensive data warehouse integrating demographic, economic, and behavioral data for evidence-based decision making
- ■ Developed advanced analytical pipelines enhancing community segmentation and outcome prediction capabilities
- ■ Trained staff in data visualization and communication techniques to improve research deliverable quality

ANALYTICS SUPERVISOR
GSD&M;, Austin, TX | 2018 – 2019

Research Operations and Team Development

- ■ Restructured research department to scale capabilities from small-scale analysis to comprehensive applied research operations
- ■ Managed three analysts, mentoring them in advanced research techniques and stakeholder communication
- ■ Implemented spatial analysis and segmentation methodologies revealing new insights about community needs
- ■ Introduced version control and Agile project management methodologies, improving delivery timelines by 40%
- ■ Developed standardized research reporting frameworks ensuring consistent, high-quality deliverables

SOFTWARE ENGINEER
Mautinoa Technologies, Austin, TX | 2016 – 2018

Applied Research in Humanitarian Context

- ■ Conceived and engineered econometric simulation software for measuring humanitarian crisis intervention effectiveness
- ■ Collaborated with data directors at multinational NGOs (UNICEF, IFRC) to develop evidence-based intervention frameworks
- ■ Conducted geospatial analysis on vulnerable populations to assess intervention impact and optimize resource allocation
- ■ Designed research methodologies for measuring complex social outcomes in crisis environments

RESEARCH DIRECTOR
PCCC, Austin, TX | 2011 – 2012

Large-Scale Applied Research Initiative Leadership

- ■ Led all aspects of applied research design, implementation, analysis, and reporting for major national studies
- ■ Engineered data collection system facilitating thousands of simultaneous surveys, significantly increasing research scale
- ■ Developed new statistical methods for geographic boundary estimation, enhancing community-level analysis capabilities
- ■ Created data visualization solutions improving stakeholder understanding of complex research findings

Additional experience and project details available on LinkedIn

KEY ACHIEVEMENTS AND IMPACT

Research Leadership and Community Impact

- ✓ Regular expert testimony and consultation on research methodology for journalists, elected officials, and community leaders
- ✓ Research analysis used in court cases addressing housing, redistricting, and community development with rigorous methodology
- ✓ Conceived and deployed cloud-based analytical software used by thousands of researchers nationwide for community-focused research

Systems and Infrastructure Development

- ✓ Designed multi-tenant data warehouse tracking decades of demographic, economic, and policy changes affecting vulnerable populations
- ✓ Developed comprehensive research frameworks for measuring complex social outcomes and community intervention effectiveness
- ✓ Created scalable research methodologies supporting evidence-based decision making for multi-billion dollar public systems

Community and Stakeholder Engagement

✓ Extensive experience briefing elected officials, NGO leadership, and senior staff on research findings and policy implications

✓ Proven track record translating complex research for diverse audiences including community organizations and government agencies

✓ Successfully managed research partnerships across public sector and community-based organizations focused on addressing systemic poverty