

# 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