dheeraj.chand@gmail.com
+1 2025507110
GitHub: github.com/dheerajchand

Dheeraj Chand

[RESEARCH, ANALYSIS, ENGINEERING] → UNDERSTANDING

Austin, TX (30.2672°N, 97.7431°W)

PROFESSIONAL SUMMARY

Distinguished Polling, Research & Redistricting Professional with 15+ years of expertise in survey methodology, consumer insights, voting behavior, and advanced data analysis. Expert in geospatial analysis, demographic segmentation, and consumer behavior modeling with experience serving major brands, organizations, and political candidates. Regular expert testimony and source on public opinion for journalists, with redistricting analysis used in court cases.

KEY ACHIEVEMENTS AND IMPACT

Regular expert testimony and source on public opinion for journalists, elected officials, and NGO leadership • Developed RACSO platform for pollsters to fully administer research, analyzing bids from 1,200 vendors • Overhauled survey methodology and polling operations, significantly improving data accuracy and response rates

CORE COMPETENCIES

Software Engineering • Data Engineering • Data Analysis • Geospatial / Demographic Expertise • Research & Analytics • Programming & Development • Data Infrastructure

PROFESSIONAL EXPERIENCE

Siege Analytics, Washington, DC | PARTNER 2005 – Present

Polling, Research & Redistricting Leadership

- Conceived, architected, engineered and deployed cloud-based redistricting software used by thousands of analysts nationwide
- Regular expert testimony and source on public opinion for journalists, elected officials, and NGO leadership
- Redistricting analysis used in court cases with rigorous methodology and expert testimony
- Led multi-million dollar research projects involving sensitive consumer data, ensuring compliance with privacy regulations

Helm/Murmuration, Washington, DC | DATA PRODUCTS MANAGER June 2021 – May 2023

Survey Methodology and Research Innovation

- Overhauled the organization's survey methodology and polling operations, significantly improving data accuracy and response rates
- Managed and developed one of the in-house polling teams, focusing on Random Device Engagement (RDE), text message and web panel collected surveys
- Worked on standardizing questions, survey instruments and call methods, along with building a meta-analytical dataset for longitudinal analysis
- Managed a cross-functional team of eleven data engineers and analysts, establishing best practices for research methodology and data analysis

dheeraj.chand@gmail.com
+1 2025507110

GitHub: github.com/dheerajchand

Dheeraj Chand

[RESEARCH, ANALYSIS, ENGINEERING] → UNDERSTANDING

Austin, TX (30.2672°N, 97.7431°W)

Myers Research, Washington, DC | SENIOR ANALYST August 2012 – February 2014

Research Design and Survey Operations

- Developed RACSO, a web application for pollsters to fully administer research including questionnaire creation, versioning, and reporting
- Wrote RFP and analyzed bids from 1,200 vendors before selecting implementation partner for RACSO platform
- Designed comprehensive survey instruments for specialized voting segments and niche markets
- Introduced geospatial techniques to enhance market segmentation capabilities, providing clients with location-based consumer insights

Progressive Change Campaign Committee, Washington, DC | RESEARCH DIRECTOR August 2011 – August 2012

Political Research and Survey Technology

- Engineered FLEEM, a web application using Twilio's API to make thousands of simultaneous phone calls for IVR polls
- Used FLEEM for early quantitative research in support of Senators Martin Heinrich and Elizabeth Warren
- Led all aspects of survey design, implementation, data analysis, and reporting for major national studies
- Developed new statistical methods for boundary estimation techniques, enhancing geographic market segmentation capabilities

For a more detailed, full description of my experience, please visit my LinkedIn (https://www.linkedin.com/in/dheerajchand/) and Personal Site (https://www.dheerajchand.com).

TECHNICAL SKILLS

SURVEY METHODOLOGY & RESEARCH DESIGN Survey Design and Questionnaire Development for Political and Market Research; Sampling Methodology and Statistical Analysis (R, SPSS, Stata, OSCAR); Random Device Engagement (RDE), Text Message, Web Panel, and Live Telephone Calling; Expert Testimony and Consultation on Research Methodology

REDISTRICTING & GEOSPATIAL ANALYSIS Redistricting Software Development and Boundary Estimation Systems; *Geospatial Analysis* (ArcGIS, Quantum GIS, GRASS, OSGeo, PostGIS); Choropleths and Hexagonal Grid Maps for Demographic Visualization; Court Case Analysis and Expert Testimony for Redistricting

DATA ANALYSIS & VISUALIZATION Advanced Statistical Modeling and Analysis (Regression, Clustering, Segmentation); *Data Visualization* (Tableau, PowerBI, Seaborn, Matplotlib, d3.js); Consumer Behavior Analysis and Market Segmentation; Multi-million Dollar Research Project Management