SARAH KENNY
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PROFESSIONAL SUMMARY

Seasoned researcher and scientist, I am a community builder and champion of collaboration with experience publishing papers, presenting at conferences and meticulously documenting software. I am seeking a role which combines my ability to clearly articulate complex technical knowledge with my years of research experience.

SKILLS

- Cognitive & Social Sciences Research, Analysis
- Computational Neuroscience
- Microsoft Office Suite
- Data Visualization Tool Development

- Database Administration, MySQL, Postgres
- Python, Java, C/C++, C#, PHP, R, Pandas, Matplotlib
- Node.js, React, Wordpress, Django
- Javascript, HTML, CSS, Figma, Survey Monkey

EXPERIENCE

Data Annotation   **Fort Lauderdale FL**
Prompt Engineer   **March 2024 - Present**
- Training of multimodal large language models in a variety of coding and non-coding tasks
- Engineering of prompts and data sets for Generative AI training across ethical, creative and scientific fields
- Evaluate LLM responses and critique model outputs for improvements across axes of functionality
- Give detailed reports on model performance and quality

University of Southern California, Institute for Creative Technologies   **Los Angeles CA**
Research Programmer   **January 2013 - March 2024**
- Implementation of learning algorithms for analysis of social networks and group dynamics in simulated training environments using gaming platforms--Unity, Minecraft
- Development of Sigma Cognitive Architecture AI platform: enhancements, lifecycle and release management in git
- Generating and editing documents for progress reports
- Development of application using Python/PyTorch and OpenGL for correction and visualization of 3D terrain data

Nokia (now HERE)   **Chicago IL**
Data Scientist   **February 2012 - January 2013**
- Design analyses of geospatial places data, looking at mobile user patterns, produce reports and visualizations
- Application of R network connectivity packages to mobile probe and positioning data
- Mining of aggregated supplier data for quality improvements to places data warehouse

University of California Irvine   **Irvine CA**
Programmer Analyst   **January 2010 - January 2012**
- Led development on the computational neuroscience applications research infrastructure (CNARI)
- Distributed applications in C/C++ and R for modeling and analysis of brain network connectivity
- Database Administration (MySQL and postgres) for storage and analysis of fMRI data

University of Chicago, Computation Institute   **Chicago IL**
Scientific Programmer   **June 2006 - January 2010**
- Web portal development, for SIDGrid: A social sciences platform for researchers to share computational resources and algorithms
- Management of distributed relational databases for imaging informatics platform
- Principal Investigator on XSEDE allocation, developing HPC platform for processing neuroimaging data

University of Chicago, Dept of Psychology Chicago IL
Lab Manager June 2001 - June 2006
- Design, analysis and data collection for cognitive-perceptual experiments on human subjects
- Management of subjects database, lab servers and workstations
- Supervision and management of student researchers, subject recruitment and scheduling
- Data summarization for reporting and publication

EDUCATION

Master of Science: Computer Science University of Chicago
Master of Arts: Counseling Adler School of Professional Psychology
Bachelor of Science: Psychology Loyola University Chicago

PUBLICATIONS

- Pynadath D, Gurney N, Kenny S, Kumar R, Marsella S, Matuszak H, Mostafa H, Sequeira P, Ustun V, Wu P (2023) Effectiveness of Teamwork-Level Interventions through Decision-Theoretic Reasoning in a Minecraft Search-and-Rescue Task. Proceedings of the 2023 International Conference on Autonomous Agents and Multiagent Systems 2334-2336
- Gee T, Kenny S, Price C, Seghier M, Small SL, Leff A, Pacurar A, Strother S (2010) Data Warehousing Methods and Processing Infrastructure for Brain Recovery Research. Archives Italiennes de Biologie 148: 207-217
- Kenny S, Andric M, Boker SM, Neale MC, Wilde M and Small SL (2009) Parallel workflows for data-driven structural equation modeling in functional neuroimaging. Front. Neuroinform. 3:34. doi:10.3389/neuro.11.034.2009
- Small, S.L., Wilde, M., Kenny, S., Andric, M., and Hasson, U. (2009). Database- managed Grid-enabled analysis of neuroimaging data: The CNARI framework. International Journal of Psychophysiology 73 (1), 62-72
- Hasson U, Andric M, Kenny S, Wilde M and Small S (2008). An architecture for GRID-based analysis of Neuroimaging data using relational databases and the SWIFT workflow engine. Frontiers in Neuroinformatics. Conference Abstract: Neuroinformatics 2008. doi: 10.3389/conf.neuro.11.2008.01.118
- Bertenthal, B., Longo, M., Kenny, S. (2007). Phenomenal Permanence and the Development of Predictive Tracking in Infancy. Child Development 78(1), 350-363

CONFERENCES AND TALKS

- Kenny S (2011), Detecting Communities in Large, Complex Networks for Connectivity Analysis in Functional Neuroimaging, Annual Graduate Students Academic Forum, Computer Science and Engineering, Beihang University
- Kenny S, Small SL, Wilde M (2010). Distributed Time Series Analysis for Studying Brain and Language in Context. Special Panel on Computational Neurolinguistics. 2010 International Conference on Brain Informatics
- Adolphs S, Bertenthal B, Boker S, Carter R, Greenhalgh C, Hereld M, Kenny S, Levow G, Papka M E, and Pridmore, T (2007). Integrating Cyberinfrastructure into Existing e-Social Science Research. Proceedings of the e-Social Science Conference.
- Bertenthal B, Grossman R, Hanley D, Hereld M, Kenny S, Levow G, Papka M E, Porges S, Rajavenkateshwaran K, Stevens R, Uram T, and Wu W. (2007) Social Informatics Data Grid. Proceedings of the e-Social Science Conference.