



## Postdoctoral Research Fellows

**EMORY UNIVERSITY**  
Atlanta, Georgia

Emory University seeks to fill multiple postdoctoral positions in **Computer Science, Scientific Computing, and Data Science**. We seek junior researchers and scholars to join vibrant research groups of faculty and students conducting pioneering scholarship in various areas.

Applications for **Postdoctoral Research** positions are invited from candidates with outstanding research records (or promise) in appropriate fields. Applicants should have (or soon receive) a PhD in Computer Science, Mathematics, Applied Math, Statistics, or a related discipline relevant to projects or areas listed below. Opportunities for teaching may be available, but these are primarily research positions. Specific priority areas for current searches are:

*Scientific Computing:* Numerical linear algebra, partial differential equations, optimization, inverse problems, and applications to radiology, cardiology, geophysics and data science.

*Data Security and Privacy:* Methods for privacy-preserving computation and analytics in health and spatiotemporal domains. Strong math, computer science, and statistics skills desired.

*NLP and Intelligent Information Access:* Computational approaches to language parsing, understanding and generation; conversational search, intelligent assistants, question answering.

*Data Analytics:* Mining heterogeneous data sources and high-dimensional analytics for health, spatiotemporal, and financial econometrics. Strong computer science/statistics skills desired.

*Computational Neuroscience:* Frameworks for biologically plausible network simulation to explore the role of feedback in neural fault tolerance and network structure.

*Machine Learning:* Architectures and efficient learning algorithms for deep neural networks, scalable algorithms. Strong math, computer science, and statistics skills desired.

*Storage and Networked Caches:* Multilevel storage tracing, very large scale networked caching, modeling, simulation, and implementation. Systems skills required; analytic skills desired.

*Distributed Systems:* Fault-tolerance, program analysis, adaptive runtime systems, and energy-efficient computing. Strong systems programming and quantitative analysis skills desired.

Applications specifying one or more of the above areas and comprising a CV and research statement should be sent via email to [postdoc@mathcs.emory.edu](mailto:postdoc@mathcs.emory.edu). Informal inquiries are also invited by email. Screening starts immediately and will continue until positions are filled. A list of faculty, research groups, and ongoing projects are at <http://www.mathcs.emory.edu/>

*Emory University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and members of minority groups.*