



*Smart Information Flow Technologies*

## **SIFT is Growing!!**

Smart Information Flow Technologies (SIFT--[www.sift.net](http://www.sift.net)) is hiring graduate and undergraduate interns and full time researcher positions, in computer science, social sciences, linguistics and human factors.

*We are a research-centered, employee-driven, high talent company where following your interests is your prime directive!*

SIFT, started in 1999, is a consulting/research company with 40+ employees, based in Minneapolis, MN and Boston, MA. We conduct cutting edge research and development in a variety of fields. We value innovation, creativity and interdisciplinary approaches to improving human-system relationships, grounded in good science and research.

We are actively seeking researchers with experience in

- Robotics/planning/plan execution, swarms
- Machine learning, deep learning
- Virtual Reality design and development, particularly with Unity
- Cyber security, especially binary vulnerability discovery
- System architecture and integration
- Traditional UIx (design, implementation and analysis)
- Experimental design and analysis (especially in the social sciences)
- Linguistic analysis, NLP, social network analysis

Recent projects include planners and UI for unmanned aerial systems, virtual reality interfaces for swarm control, linguistic analysis of astronaut psychological states, cultural modeling and evaluation for training scenarios in game/simulation, tools for treating PTSD through creating graphic novels, neurophysiological tool to assess anger and promote anger management, asynchronous social support for deep space exploration through virtual avatars, and a training game to educate users in the value of, and threats to, adequate sleep (available on iOS and Android!)

Applicants should expect to perform a wide variety of tasks, ranging from requirements elicitation, design, implementation and testing/evaluation to lit reviews, proposal writing, and concept development, among others. Beneficial skills/experience include:

- human-automation interaction design, theory, and evaluation;
- linguistics, sociology, social psychology, industrial/organizational psychology;
- UI requirements elicitation design, implementation and evaluation
- ability to use and/or create computational linguistics tools;
- Experimental design, conduct and statistical analysis;
- Software Engineering, ideally across multiple languages and development environments.

*Our U.S. Government contract work limits this position to US citizens or green-card holders.*

Submit resume to: [hiring@sift.net](mailto:hiring@sift.net)  
Smart Information Flow Technologies (SIFT)  
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Minneapolis, MN 55401-1689

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<http://www.sift.net>