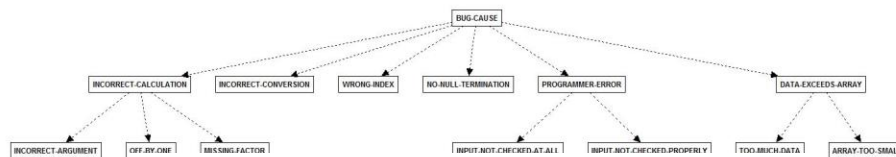


- ~45 person small business, focus on Consulting Research & Development
- **23+ years in business:** 40+ advanced degrees, 175+ years industrial R&D experience
- **Expertise, spanning:**
  - Cyber security design and analysis
  - NLP, Linguistics, and text analysis
  - Social sciences, cultural markers, neuropsychology, and beyond
  - Computer Science and Artificial Intelligence
  - Human-centered systems
- **Work with government, industry and academia for decades**
  - AFRL, DARPA, DIA, DTRA, IARPA, NASA, NIH, NIST, ONR, USAF, US ARMY, US Navy, VA
  - ASU, Raytheon/BBN, BAE, CMU, Cornell, GMU, GrammaTech, Honeywell, Lockheed, MIT, Oxford, Stanford, UCB, UMd, UMn,

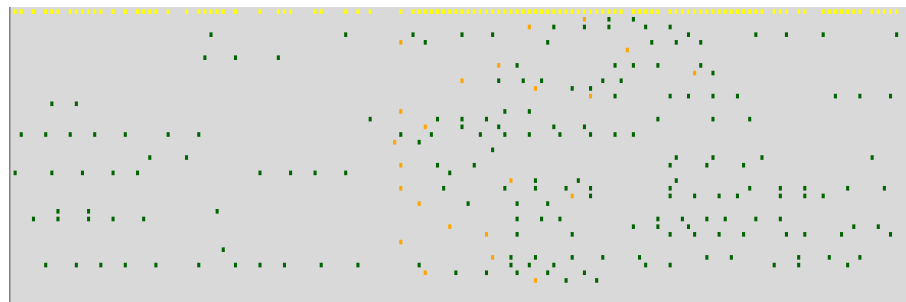
**Presenter: Dan Thomsen (dthomsen@sift.net)**

## Relevance to IARPA SoURCE CODE

- **DARPA Cyber Grand Challenge** automatically identify and repair bugs. We developed a Cyber Reasoning System (CRS) that manages distributed agents to test and evaluate hypothesis
- **NIST ISABEL** analyze and classify bugs into the NIST bugs framework.
- **Navy MADEIRA** applies CRS to automatically drive debloating tools for applications and kernels.
- **Air Force ADEPT** identify culture of individual hacker.
- **DARPA Civil Sanctuary** cross cultural models to promote positive online interaction spanning world cultures
- Misc programs extracting cultural markers from text



**An analysis breakdown for bug classification adaptable to detecting cultures or subgroups**



**Dashboard showing CRS multi-agent coordination**