

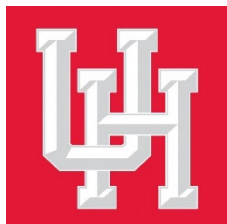
Reasoning and Data Analytics for Security

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ReDAS Mission: Cutting-edge research, education in Reasoning, Data Analytics and Security, and address current practical problems in security

University of Houston is a NSA/DHS certified center of academic excellence in Information Assurance/Cyber Defense Research AND Education



ReDAS

Research Areas:

- Reasoning/Formal Methods
- Data Analytics
- Computer Security

Current Projects:

1. Automatic phishing detection
2. Protocol design and verification
3. NLP Workbench
4. CyberCorps: Scholarships for Service (<http://www.cs.uh.edu>) – \$32K+ scholarships for US citizens/permanent residents who wish to pursue MS and PhD students with Cybersecurity focus

Dedication

- Irving Nathan Rothman, Professor, Scholar and a thorough gentleman 1935-2019



The Story of a Phone Call

The story begins

- Authorship Attribution

Automatic Summarization

- The DUC

Question Answering

- The TAC

Intermezzo: To the producer's side

- Idioms
- Collocations

A return to Summarization

- DocSumm, NewSumm
- Two surprises

Finale?

- The holy grail: statistical significance
- Perhaps, we can achieve it after all

Acknowledgments

- Thanks to our sponsors: NSF, DoD, NSA and UH!
- Thanks to colleagues!!
- Thanks to students (> 25 graduate students and nearly 50 undergrads) !!!