

[cc-undergraduateacademics] Alert: Research opportunity and hiring announcement

cc-undergraduateacademics-request@lists.gatech.edu <cc-undergraduateacademics-request@lists.gatech.edu>

on behalf of

CoC Undergraduate Academics <UndergraduateAcademics@cc.gatech.edu>

Thu 4/18/2024 12:39 PM

To:cc-undergraduateacademics@lists.gatech.edu <cc-undergraduateacademics@lists.gatech.edu>

📎 2 attachments (41 KB)

MAGIC vRA Hiring Announcement.docx; MAGIC GRA Hiring Announcement.docx;

Dear Students,

Please see the message below and contact Glenn Matlin (glennmatlin@gatech.edu) with any questions.

Colleagues,

We are excited to offer a unique opportunity to join an innovative research project under the "Advanced Research Concepts" branch of the Defense Advanced Research Projects Agency (DARPA). This project, focused on "Collaborative Knowledge Curation (CKC)," aims to revolutionize the way analysts and decision-makers curate and utilize knowledge in complex, interdependent systems. Funded by DARPA, this is a high-risk, high-reward research project set to explore cutting-edge Generative Artificial Intelligence. For a deeper understanding of the CKC project and its objectives, applicants are encouraged to explore further details at DARPA's official CKC webpage.

<https://www.darpa.mil/ARC/CKC>

Our goal is to revolutionize how analysts and decision-makers manage and utilize information in complex socio-economic systems. Our work will involve the use of cutting-edge techniques including training and fine tuning of Large Language Models, large-scale Knowledge Graphs, and real-time Retrieval Augmented Generation. this project seeks to automate aspects of knowledge curation to enhance decision-making accuracy and efficiency. The year-long research project focuses on applying Deep Learning and Natural Language Processing to parse, analyze, and synthesize vast datasets into actionable insights for subject matter experts.

Our team is advised by two esteemed faculty researchers at Georgia Tech -- Professor Sudheer Chava (CSE), and Professor Mark Riedl (IC). The lead for this project is Glenn Matlin, Ph.D. CS.

The Graduate Research Assistant (GRA) role requires you to be currently enrolled in a BSMS or MS program in the College of Computing. All other students are strongly encouraged to apply for a role as a volunteer Research Assistant. The volunteer Research Assistant (vRA) role is open to all hard-working students of any affiliation or degree with a passion for research in Machine Learning and Artificial Intelligence.

Applicants should email `glennmatlin@gatech.edu`. The subject line of the email must begin with the characters "[CKC]" to ensure it is included. Emails should act as the 'cover letter', and come attached with a Resume/CV, GitHub, Personal Website, Transcript, etc. Please be sure to specify which role you are applying for (GRA or vRA) as well as your current citizenship or visa status.

Project work is during Summer 2024, Fall 2024, and Spring 2025. The GRA waivers will not apply to Spring 2024.

