

Ahmad Diab

Ph.D. Candidate

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Education

Ph.D. in Computer Science , <i>University of Pittsburgh</i> GPA: 3.73. Vice president of the Graduate Student Organization.	Jan 2020 – present Pittsburgh, PA
M.S. in Computer Engineering , <i>Arizona State University</i> GPA: 3.84	Aug 2015 – May 2017 Tempe, AZ
B.S. in Computer Engineering , <i>Jordan University of Science and Technology</i> GPA: 90.8% (Excellent). Dean's Honor List. Ranked second on the 2014 patch.	Sep 2009 – Jan 2014 Irbid, Jordan

Professional Experience

Research Assistant , <i>University of Pittsburgh</i> • Engineered data-cleaning pipelines, implemented machine learning models, and fine-tuned large language models using Python toolkits and custom-coded solutions. • Contributed to the publication of four research papers. • Actively contribute to the academic community as a reviewer for CVPR, KDD, ICWSM, and others.	Jan 2020 – present Pittsburgh
Research Intern , <i>Collaboratory Against Hate (CAH)</i> • Collaborated with researchers from interdisciplinary areas to build and execute research agendas, yielding two published research papers. • Presented results to an audience with a variety of technical backgrounds at the Eradicate Hate Summit and CAH workshop at CMU.	May 2022 – Jul 2022 Pittsburgh
Research Assistant , <i>Arizona State University</i> • Led a cross-culture team of over 20 students to develop a darkweb mining platform which was awarded a patent and over a million dollars in funds. • Implemented a groundbreaking Python-based scraper and data collection script for darkweb, contributing to the publication of three research papers.	Aug 2015 – May 2017 Tempe

Selected Publications

Classifying Conspiratorial Narratives At Scale: False Alarms and Erroneous Connections , <i>ICWSM (under review)</i>	Sep 2023
A Weakly Supervised Classifier and Dataset of White Supremacist Language , <i>IEEE ACL</i>	Jul 2023
Online to Offline Crossover of White Supremacist Propaganda , <i>ACM The Web Conference</i>	Jun 2023
Domain-robust VQA with Diverse Datasets and Methods but No Target Labels , <i>CVPR</i>	Jun 2021

Awards

Provisional Patent (62/409,291) Systems and Methods for an Intelligent Darkweb Crawling Infrastructure for Cyber Threat Intelligence Gathering.
Singapore International Pre-Graduate Award (SIPGA) , <i>A*STAR Research</i> Executed the research agenda for a project focused on optimizing multi-way theta join algorithms, utilizing Java-Hadoop, Unix environment, and shell scripts.
Full Undergrad Scholarship , <i>Royal Jordanian Court</i> Recipient of a nationwide (Jordan) merit-based scholarship awarded for outstanding high school performance.

Skills

Communication	Literature Review	Collaboration	Python	Data Analysis	Machine Learning
Large Language Models	Generative Models				