

Michael Evans

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Education	Old Dominion University , Norfolk, VA, United States Bachelor of Science in Computer Science Minor in Applied Mathematics GPA: 3.9/4.0 Tidewater Community College , Portsmouth, VA, United States Associate of Science in Computer Science Honors: <i>summa cum laude</i> (GPA: 3.9/4.0) Tidewater Community College , Portsmouth, VA, United States Associate of Science in Business Administration Honors: <i>summa cum laude</i> (GPA: 3.9/4.0)	Sept 2023-May 2025 May 2021-May 2023 May 2017-May 2019
Publications	Michael Evans , Dominik Soós, Ethan Landers, and Jian Wu. 2023. MSVEC: A Multidomain Testing Dataset for Scientific Claim Verification. In <i>The Twenty-fourth International Symposium on Theory, Algorithmic Foundations, and Protocol Design for Mobile Networks and Mobile Computing (MobiHoc '23)</i> , October 23–26, 2023, Washington, DC, USA. ACM, New York, NY, USA, 6 pages. https://doi.org/10.1145/3565287.3617630	
Presentations	<i>The Potential of Large Language Models in Evaluating Scientific Claims</i> . Undergraduate Research Symposium, Old Dominion University, 2024 (URS '24). <i>MSVEC: A Multidomain Testing Dataset for Scientific Claim Verification</i> . The Twenty-fourth International Symposium on Theory, Algorithmic Foundations, and Protocol Design for Mobile Networks and Mobile Computing (MobiHoc '23). <i>Scientific News Verification With GPT</i> . Research Experience for Undergraduates in Disinformation Detection and Analytics, Old Dominion University, 2023 (REU '23).	
Research Experience	NSF REU – Developing Self-Drive Algorithms for Electric Vehicles with Dr. Chan-Jin Chung and Dr. Josh Siegel, CS & AI Robotics Lab NSF REU – Disinformation Detection and Analytics with Dr. Jian Wu, Web Science and Digital Libraries Research Group	May-July 2024 June-Aug 2023
	<ul style="list-style-type: none">• Worked on <i>MSVEC: A Multidomain Testing Dataset for Scientific Claim Verification</i> as the lead researcher and first author.• Contributed to the project corpus by expanding the multidomain testing dataset containing scientific claims from news articles with evidence papers from 56 to 200 discrete data objects for testing the effectiveness of the gpt-3.5-turbo model.• Performed prompt engineering to solve the research problem of querying GPT for <i>Sentence Rationales</i> by experimenting with refining the language used in the existing query.• Extracted the metadata of 200 scientific news articles and evidence paper pairings and empirically annotated the ground truth for the task of identifying sentence rationales.• Evaluated the performance of a zero-shot method with GPT-3.5 against the MSVEC dataset on two sub-tasks: stance labeling and identifying sentence rationales. Compared the capabilities of GPT on the task of scientific claim verification against several	

domain-specific datasets for training models.

- Contributed various Python scripts to the LAMPS-Lab GitHub repository for querying GPT, ran the experiments, analyzed the results, wrote the paper, and presented the findings at the MobiHoc conference.

Certifications	CITI Program Social and Behavioral Research - Basic/Refresher Social and Behavioral Responsible Conduct of Research Responsible Conduct of Research for Engineers	July 2023
Industry Experience	Hard to Find Party Supplies Junior PHP Web Developer <ul style="list-style-type: none">• Worked closely with the director of IT to build and maintain \$1m/year eCommerce platform by performing server maintenance, writing documentation, designing web page features, managing Google AD campaigns and updating inventory of 35,000 products.• Re-wrote XML web page modifications from PHP to TWIG during complete server rework while utilizing the MVC design pattern, CSS, and HTML.• Optimized legacy inventory processes with the use of CRON jobs to save 30 minutes of work time per week for current and future developers.• Improved site Admin page by writing quality-of-life features for back-end users and setup network for secondary location during business expansion.	Dec 2021-June 2022
Awards	College of Sciences Dean's List – Old Dominion University BIO, GEO, CISE and OCE REU Travel Grant – \$1,200 Academic Excellence Award – Tidewater Community College Young Authors Writing Competition – 1st place	Dec 2023-May 2024 Sept 2023 April 2020 May 2010
Community Involvement	Intelligent Ground Vehicle Competition (IGVC), <i>Surveyor</i> Undergraduate Research Symposium at ODU, <i>Presenter</i> University Accountability Board, <i>Member</i> Association for Computing Machinery Group at ODU, <i>Member</i> ACM MobiHoc 2023 Symposium, <i>Presenter</i> STEM Day Expo, Wilson High School, <i>Volunteer Exhibitor</i> National Mathematics Honor Society at TCC (MAΘ), <i>Member</i>	Jun 2024 March 2024 March 2024-Present Jan 2024-Present Oct 2023 March 2019 Feb 2019-Present
References	Dr. Jian Wu Assistant Professor of Computer Science at Old Dominion University, Email: jwu@cs.odu.edu Dr. Sampath Jayarathna Assistant Professor of Computer Science, Email: ujayarat@odu.edu, Tel: (757) 683-7753. Mrs. Marija Raskovic Adjunct Professor of Physics, Email: mraskovic@tcc.edu, Tel: (757) 822-1111.	