

Uros Stanic

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EDUCATION

PhD in Computer Science Texas A&M University, College Station, TX (GPA: 4.0/4.0)	Jan 2025 – Present
Bachelor's with Honors in Software Engineering University of Novi Sad - Faculty of Technical Sciences (GPA: 9.58/10.0)	Oct 2020 – Oct 2024

RESEARCH EXPERIENCE

<i>Research Assistant</i> at Texas A&M University	Jan 2025 – Present
<ul style="list-style-type: none">Develop and maintain a custom sandbox for malware tracing and fuzzing of malware samples, based on Intel Pin instrumentation.Apply AI classifiers, rule-based, and capabilities techniques for malware detection and classification based on logs collected from the aforementioned sandbox.Conduct research in dynamic malware analysis under Dr. Marcus Botacin.	
<i>Visiting Research Intern</i> at Texas A&M University	Jul 2023 – Sep 2023

PROJECTS

AI-powered fuzzing smart sandbox	Ongoing
<ul style="list-style-type: none">Natively fuzz the malware samples in the sandbox, using AI-guided optimal fuzzing, to build a function call graph. Leverage resulting function call graphs and their embeddings to achieve better classification, as they are the natural product of fuzzing.	
Best practices for malware sandboxing	Ongoing

CERTIFICATES

Intro to Dark Web Operations, Security Blue Team	Aug 2024
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SKILLS

Cybersecurity	Malware analysis, Malware detection, OSINT, Steganography, C/C++
AI	Binary classification, NLP (log parsing), Pytorch, Python
Web development	Spring, Angular, React, GO Docker, AWS basics
Software development	Agile software development, ClickUp, Git, Design Patterns