

Anqi Chen

CONTACT INFORMATION	Email: chen.anqi3@northeastern.edu Cell: (857) 385-9318	Boston, MA
EDUCATION	Northeastern University , Boston, MA <i>PhD in Cybersecurity</i> <ul style="list-style-type: none">Expected Graduation: Jun. 2028Advisor: Dr. Cristina Nita-Rotaru Peking University , Beijing, China <i>BS in Computer Science</i>	Sep. 2022 – present Sep. 2018 – Jun. 2022
RESEARCH INTERESTS	Network Security, Stateful Protocol Fuzzing, Formal Methods, Autonomous Vehicle Security	
PROFESSIONAL EXPERIENCE	Northeastern University , Boston, MA Research Assistant, Networks and Distributed Systems Security Lab <ul style="list-style-type: none"><i>VPN Protocol Vulnerability Discovery</i>: Design and implement a fuzzing tool to automatically discover vulnerabilities in VPN protocol implementations, currently focusing on OpenVPN.<i>Attacks Against Autonomous Vehicle</i>: Designed and implemented an Automatic Emergency Braking System(AEBS) in the CARLA simulation platform to help provide a realistic testing environment for the proposed attack, which used an optimization-based method for adaptive generation of image perturbations at run-time. Peking University , Beijing, China Remote Research, advised by Dr. Tianhao Wang, Assistant Professor at UVA <ul style="list-style-type: none"><i>DPSyn: an Open-source Differential Privacy Tool</i>: Implemented a tool [github link] for synthesizing microdata for data analysis while satisfying differential privacy, based on the algorithm proposed in the paper PrivSyn: Differentially Private Data Synthesis.	Sep. 2022 – present Jun. 2021 – Oct. 2021
PUBLICATIONS	Runtime Stealthy Perception Attacks against DNN-based Adaptive Cruise Control Systems Xugui Zhou, Anqi Chen , Maxfield Kouzel, Haotian Ren, Morgan McCarty, Cristina Nita-Rotaru, Homa Alemzadeh arXiv: 2307.08939	Apr. 2024
TEACHING	Northeastern University , Boston, MA <ul style="list-style-type: none">CS6240: Large-Scale Parallel Data Processing, Teaching Assistant, Spring 2024CY4740: Network Security, Teaching Assistant, Fall 2023	
SELECTED COURSES	Network Security, Software Vulnerabilities and Security, Machine Learning, Formal Specification, Verification and Synthesis, Intensive Computer Systems, Operating System, Computer Network	
LANGUAGES AND TECHNOLOGIES	<ul style="list-style-type: none">Python, C/C++, NuXMV, TAMARIN, Bash, MATLAB, SQL, JSON, L^AT_EXLinux, Windows, Mac OSXGit, Docker, OpenPilot, CARLA	
HONORS AND AWARDS	<ul style="list-style-type: none">The Highest Award in 2020 Differential Privacy Temporal Map Challenge: Open Source and Development Contest, NIST PSCR (2021)Merit Scholarship, Peking University (2021)Award for Scientific Research, Peking University (2021)Excellent Volunteer, Peking University (2020)	