BRIAN TANG

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EDUCATION

PhD Student | *Computer Science and Engineering*	Fall 2021 – Present
University of Michigan - Ann Arbor	
Bachelor of Science | *Major: Computer Science*	Fall 2017 – Winter 2020
University of Wisconsin - Madison	

RESEARCH INTERESTS

Security and Privacy: Usable Privacy, Web Privacy, Face Recognition Privacy, Social Privacy
Machine Learning: Adversarial Machine Learning, Computer Vision, Natural Language Processing
Human-Computer Interaction: Usable Privacy, Human-Robot Interaction

WORK EXPERIENCE

Graduate Research Assistant	Fall 2021 – Present
University of Michigan	
Research Intern	Spring 2021 – Fall 2021
University of Wisconsin - Madison	
Undergraduate Research Assistant	Fall 2018 – Spring 2021
University of Wisconsin - Madison	
Software Engineering Intern	Summer 2019
Roblox Corporation	
Software Engineering Intern	Summer 2017
Optum, UHG	

RESEARCH PROJECTS

Confidant: A Privacy Controller for Social Robots	Fall 2021
University of Michigan | *17th ACM/IEEE International Conference on Human-Robot Interaction*	24.8% AR
Fairness Properties of Face Recognition and Obfuscation Systems[3]	Summer 2021
University of Wisconsin - Madison | ***Submitted:** USENIX Security 2022*	
Face-Off: Adversarial Face Obfuscation[1]	Summer 2020
University of Wisconsin - Madison | *21st Symposium of Privacy Enhancing Technologies*	19% AR
Scaling Properties of Interval Bound Propagation	Spring 2020
University of Wisconsin - Madison | *Course Project*	
Rearchitecting Classification Frameworks For Increased Robustness[2]	Spring 2019
University of Wisconsin - Madison | *arXiv Preprint*	

PERSONAL PROJECTS

Algorithmic Trading Framework	Summer 2019
https://github.com/ramasrirama99/AlgoTradeFramework	
Transcend UW Website | *https://www.transcenduw.com/*	Spring 2018
University of Wisconsin - Madison | *Transcend UW*	

SERVICE

PoPETS	Spring 2021
External/Sub Reviewer	
USENIX Security	Spring 2020
External/Sub Reviewer	

Presentations and Talks

Face-Off: Adversarial Face Obfuscation[1]   Jan 2021

University of Wisconsin - Madison | *VMWare - NSF: Data Privacy and Edge Computing*

Face-Off: Adversarial Face Obfuscation[1]   July 2021

The Internet | *Proceedings on Privacy Enhancing Technologies Symposium*

Honors and Awards

CVS Health Foundation Program   Fall 2017

Scholarship for outstanding children of CVS employees

Qualcomm Innovation Fellowship (Nominee)   Spring 2021

Selected abstract on autonomous vehicle domain adaptation

College of Engineering Fellowship   Fall 2021

University of Michigan 1st year PhD fellowship

Skills

Languages: English (Native), Chinese Mandarin (Spoken-Only), Japanese (N5), French (A2)
Programming: Python, C++, JavaScript, SQL, HTML
Software Development: GitHub, Perforce, Qt, NginX, Flask, Squish, Flutter, Firebase
Machine Learning: TensorFlow, PyTorch, Pandas, NumPy, D3.js
Hobbies & Interests: Reading, Investing, Gaming, Anime, Skateboarding, Meditation

Publications—Preprints—Journals

[1] Varun Chandrasekaran et al. "Face-Off: Adversarial Face Obfuscation". In: *21st Privacy Enhancing Technologies Symposium*. 2021. URL: https://arxiv.org/abs/2003.08861.

[2] Varun Chandrasekaran et al. "Rearchitecting Classification Frameworks For Increased Robustness". In: (2020). arXiv: 1905.10900. URL: https://arxiv.org/abs/1905.10900.

[3] Harrison Rosenberg et al. "Fairness Properties of Face Recognition and Obfuscation Systems". In: (2021). arXiv: 2108.02707. URL: https://arxiv.org/abs/2108.02707.