BRIAN TANG

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https://github.com/byron123t
https://scholar.google.com/citations?user=pgkhBk8AAAAJ&hl=en

EDUCATION

PhD Student | ***Machine Learning Security and Privacy*** — Fall 2021 – Present
University of Michigan - Ann Arbor

Bachelor of Science | ***Major: Computer Science*** — Fall 2017 – Winter 2020
University of Wisconsin - Madison

WORK EXPERIENCE

Research Assistant — Fall 2021 – Present
University of Michigan

Research Assistant — Fall 2018 – Summer 2021
University of Wisconsin - Madison

Software Engineering Intern — Summer 2019 – Summer 2019
Roblox Corporation

Software Engineering Intern — Summer 2017 – Summer 2017
Optum, UHG

RESEARCH PROJECTS

Confidant: A Privacy Controller for Social Robots — Fall 2021
University of Michigan | ***Submitted:*** *HRI 2022*

Fairness Properties of Face Recognition and Obfuscation Systems[3] — Summer 2021
University of Wisconsin - Madison | ***Submitted:*** *USENIX Security 2022*

Autonomous Vehicle Domain Adaptation Using Fairness Principles — Winter 2020
University of Wisconsin - Madison | *Qualcomm Innovation Fellowship Proposal*

Face-Off: Adversarial Face Obfuscation[1] — Summer 2020
University of Wisconsin - Madison | *21st Symposium of Privacy Enhancing Technologies*

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*

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.