Anvith Thudi

anvith.com

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Education

University of Toronto **Toronto, ON, Canada**
Ph.D. in Computer Science *Sep. 2022 - ongoing*

○ Advisors: Nicolas Papernot and Chris Maddison

University of Toronto **Toronto, ON, Canada**
B.Sc in Mathematics, Spent Fall 2020 in Engineering Science *Sep. 2020 - May 2022*

○ GPA: 3.92/4.0

Simon Fraser University **Burnaby, BC, Canada**
Concurrent Studies Student (attended while in highschool) *Sep. 2017 - May 2020*

○ GPA: 4.09/4.33

Awards and Honours

2023 Vanier Canada Graduate Scholarship: NSERC

○ *Rank 1/173 of national round nominees*

Doctoral Entrance Scholarship: UofT Department of Computer Science

Doctoral Recruitment Award: UofT Faculty of Arts and Science

Galois Award: University College UofT

Dean's List Scholar: UofT

Dean's Honours List: UofT

2020 Loran Scholarship National Finalist: Loran Scholar's Foundation

○ *Top 88 highschool students in Canada*

Publications

Conference Proceedings

"Proof-of-Learning is Currently More Broken Than You Think": *Congyu Fang, Hengrui Jia,* **Anvith Thudi**, *Mohammad Yaghini, Christopher A. Choquette-Choo, Natalie Dullerud, Varun Chandrasekaran, Nicolas Papernot. Proceedings of the 8th IEEE European Symposium on Security and Privacy, 2023*

"On the Necessity of Auditable Algorithmic Definitions for Machine Unlearning": **Anvith Thudi**, *Hengrui Jia, Ilia Shumailov, Nicolas Papernot. Proceedings of the 31st USENIX Security Symposium, 2022*

"Unrolling SGD: Understanding Factors Influencing Machine Unlearning": **Anvith Thudi**, *Gabriel Deza, Varun Chandrasekaran, Nicolas Papernot. Proceedings of the 7th IEEE European Symposium on Security and Privacy, 2022*

"Proof of Learning: Definitions and Practice": *Hengrui Jia, Mohammad Yaghini, Christopher A. Choquette-Choo, Natalie Dullerud,* **Anvith Thudi**, *Varun Chandrasekaran, Nicolas Papernot. Proceedings of the 42nd IEEE Symposium on Security and Privacy, 2021*

Preprints

"Selective Classification via Neural Training Dynamics": *Stephan Rabanser,* **Anvith Thudi**, *Kimia Hamidieh, Adam Dziedzic, Nicolas Papernot*

"Bounding Membership Inference": **Anvith Thudi**, *Ilia Shumailov, Franziska Boenisch, Nicolas Papernot*

"SoK: Machine Learning Governance": *Varun Chandrasekaran, Hengrui Jia,* **Anvith Thudi**, *Adelin Travers, Mohammad*

Experience

Microsoft Research Cambridge   **Cambridge, UK**
Ph.D. Research Intern   *May. 2023 - July 2023*

Talks

"On the Necessity of Auditable Algorithmic Definitions for Machine Unlearning": Usenix Security 22'
"Unrolling SGD: Understanding Factors Influencing Machine Unlearning": Euro SP 22'
"The Unlearning Problem(s)": Meta