

Theophile Gervet

CONTACT INFORMATION

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RESEARCH INTERESTS

Real-world embodied AI and computer vision to make [mobile manipulators](#) useful alongside humans.

EDUCATION

Carnegie Mellon University Sep 2018 - Present

Machine Learning Ph.D. — GPA: 4.06/4.30

- Sep 2022 - present: real-world embodied AI and computer vision with [Katerina Fragkiadaki](#)
- May 2020 - Aug 2022: leave to work for [an early-stage startup](#) in San Francisco
- Sep 2018 - Apr 2020: reinforcement learning in education with [Tom Mitchell](#) and [Jeff Schneider](#)

McGill University

Sep 2014 - Dec 2017

Computer Science & Mathematics B.Sc. Honours — GPA: 3.95/4.00

- Hierarchical reinforcement learning with [Doina Precup](#)

WORK EXPERIENCE

Research Intern, Meta AI

May 2022 - Aug 2022

- Navigating to objects in the real world with [Devendra Chaplot](#), [Dhruv Batra](#), and [Jitendra Malik](#)

Machine Learning Lead, Relyance AI

May 2020 - Apr 2022

- [Relyance AI](#) monitors and manages data privacy programs continuously with machine learning
- Joined as first engineer, hired and led a team of 8 ML engineers through high growth (from scratch to \$4M of revenue with Zoom, Robinhood, Patreon as customers, \$30M raised, and 70 employees)
- Built Relyance's core ML/NLP systems processing legal documents, source code, and runtime monitoring data to map user data flows, and infra for model training, deployment, and monitoring

Research Intern, Meta AI

Mar 2018 - Jun 2018

- Multi-agent reinforcement learning with [Joelle Pineau](#)

PUBLICATIONS

[Navigating to Objects in the Real World](#)

Theophile Gervet, Dhruv Batra, Jitendra Malik, Devendra Chaplot (under review Science Robotics)

[PASS: Performance Adaptive Sampling Strategy Towards Fast and Accurate Graph Neural Networks](#)

Minji Yoon, **Theophile Gervet**, Baoxu Shi, Sufeng Niu, Qi He, Jaewon Yang (KDD 2021)

[When is Deep Learning the Best Approach to Knowledge Tracing?](#)

Theophile Gervet, Ken Koedinger, Jeff Schneider, Tom Mitchell (JEDM 2020)

[Autonomous Graph Mining Algorithm Search with Best Speed/Accuracy Trade-off](#)

Minji Yoon, **Theophile Gervet**, Christos Faloutsos (ICDM 2020)

[TarMAC: Targeted Multi-Agent Communication](#)

Abhishek Das, **Theophile Gervet**, Michael Rabbat, Joelle Pineau (ICML 2019)