

JESSE COMER

University of Pennsylvania

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RESEARCH INTERESTS

Database Theory, (Finite) Model Theory, Computational Complexity

EDUCATION

PhD Candidate, Computer and Information Science, University of Pennsylvania	2023 - Present
M.S., Computer Science, University of Texas at Austin	Aug 2023
M.Sc., Logic, University of Amsterdam	Aug 2023
B.A., Economics, University of California, Los Angeles	Dec 2016

TEACHING

Mathematical Foundations of Computer Science (CIS 1600), University of Pennsylvania	Summer 2024
Algorithms: Techniques and Theory (CS 388G, TA), University of Texas at Austin	Spring 2023

OTHER WORK HISTORY

United States Marine Corps, Reserve. Field Artillery Officer.	Jul 2021 - Present
United States Marine Corps. Field Artillery Officer.	Feb 2017 - Jul 2021

PUBLICATIONS

Lovàsz Theorems for Modal Languages. J. Comer.	<i>Under review.</i>
Time-Bounded Resilience. T. Ban Kirigin, J. Comer, M. Kanovich, A. Scedrov, C. Talcott.	<i>WRLA 2024.</i>
Craig Interpolation for Decidable First-Order Fragments. B. ten Cate, J. Comer.	<i>FoSSaCS 2024.</i>

CONTRIBUTED TALKS

• B. ten Cate, J. Comer. Craig Interpolation for Guarded Fragments.	<i>DPFO 2023.</i>
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MASTER'S THESIS

• J. Comer. Homomorphism Counts, Database Queries, and Modal Logics.	<i>ILLC e-prints.</i>
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