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. Instructor (UPenn).	Summer 2024
Algorithms. Teaching Assistant (UT Austin).	Spring 2023
Logic, Second Course. Tutor (UCLA).	Spring 2016
Logic, First Course. Tutor (UCLA).	Fall 2015, Winter 2016

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. *AiML 2024*
J. Comer.

Time-Bounded Resilience. *WRLA 2024*
T. Ban Kirigin, J. Comer, M. Kanovich, A. Scedrov, C. Talcott.

Craig Interpolation for Decidable First-Order Fragments. *FoSSaCS 2024*
B. ten Cate, J. Comer.

CONTRIBUTED TALKS

Craig Interpolation for Guarded Fragments. *DPFO 2023*
B. ten Cate, J. Comer.

MASTER'S THESIS

Homomorphism Counts, Database Queries, and Modal Logics. *ILLC e-prints*
J. Comer.