Narun K. Raman

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Education

University of British Columbia, Vancouver, BC, Canada
Ph.D. in Computer Science   Sept. 2024 – Present
Supervisor: Kevin Leyton-Brown

University of British Columbia, Vancouver, BC, Canada
Thesis-based M.Sc. in Computer Science   Sept. 2021 – Dec. 2023
Thesis: *Pay to (Not) Play: Monetizing Impatience in Mobile Games*
Supervisor: Kevin Leyton-Brown

Carleton College, Northfield, MN, USA
B.A. in Computer Science and B.A. in Mathematics   Sept. 2016 – Jun. 2020
Undergraduate thesis: *Revisionist History: Predicting Wikipedia Article Quality With Edit Histories*

Refereed Publications

Journal Articles

- Titus H. Klinge, James I. Lathrop, Sonia Moreno, Hugh D. Potter, Narun K. Raman, Matthew R. Riley. *ALCH: An Imperative Language for the Chemical Reaction Network-Controlled Tile Assembly.* **Natural Computing**, 23(2):365–385, 2024.
  > 10 **cites**

Archival Conference Papers

- Narun K. Raman, Taylor Lundy, Thiago Amin, Jesse Perla, Kevin Leyton-Brown. *STEER-ME: Assessing the Microeconomic Reasoning of Large Language Models.* **Advances in Neural Information Processing Systems (NeurIPS)**, Datasets and Benchmarks Track, 2025.
  AR 497/1995 (25%)

- Taylor Lundy, Narun K. Raman, Scott Duke Kominers, Kevin Leyton-Brown. *NFTs as a Data-Rich Test Bed: Conspicuous Consumption and its Determinants.* **The Web Conference (WWW)**, 2025.
  AR 409/2062 (20%)

- Narun K. Raman, Taylor Lundy, Samuel J. Amouyal, Yoav Levine, Kevin Leyton-Brown, Moshe Tennenholtz. *STEER: Assessing the Economic Rationality of Large Language Models.* **International Conference on Machine Learning (ICML)**, 2024.
  AR 2609/9473 (28%) > 10 **cites**

- Taylor Lundy, Narun K. Raman, Hu Fu, Kevin Leyton-Brown. *Pay to (Not) Play: Monetizing Impatience in Mobile Games.* **AAAI Conference on Artificial Intelligence (AAAI)**, 2024.
  `AR` 2342/9862 (24%)

Non-archival and Less Rigorously-Refereed Publications

- Narun K. Raman, Taylor Lundy, Kevin Leyton-Brown. *Reasoning Models are Test Exploiters: Rethinking Multiple-Choice.* **Workshop on Assessing and Improving Reliability of Foundation Models in the Real World** at the AAAI Conference on Artificial Intelligence (AAAI), 2026.

- Narun K. Raman, Taylor Lundy, Thiago Amin, Kevin Leyton-Brown, Jesse Perla. *Evaluating LLMs in Information Economics.* **Information Economics and Large Language Models Workshop** at the ACM Conference on Economics and Computation (EC), 2025.

- Narun K. Raman, Nathaniel Sauerberg, Jonah Fisher, Addison Partida, Sneha Narayan. *Classifying Wikipedia Article Quality with Revision History Networks.* **International Symposium on Open Collaboration (OpenSym)**, 2020.
  `> 10 cites`

- Titus H. Klinge, James I. Lathrop, Sonia Moreno, Hugh D. Potter, Narun K. Raman, Matthew R. Riley. *ALCH: An Imperative Language for the CRN-TAM.* **International Conference on DNA Computing and Molecular Programming (DNA)**, 2020.
  `Oral` 11/62 (17%)

Work Experience

Research Consultant, AI21 Labs   2025 − Present

- Advise on evaluation and design of large language models, with an emphasis on reasoning, agentic behavior, and test design.

Software Engineering Intern, Wells Fargo, Minneapolis, MN   Aug. 2020 − Aug. 2021

- Built and maintained microservices powering the PPP loan forgiveness portal, which serves thousands of applications per day. In particular, I helped develop and release an automated rules-based verifier for SBA forgiveness to reduce manual review time.

Software Engineering Intern, Overlay Inc., Menlo Park, CA   Jun. 2018 − Sep. 2018

- Integrated an edge-detection module into an iOS AR surveying app that aimed to generate topographical maps from mobile imagery. My role was to automate edge-detection and identification of specific features (e.g., telephone poles) to make the surveyor's task easier.

Teaching Experience

Teaching Assistant, University of British Columbia
Models of Strategic Behavior (CPSC 532L)   Winter 2023

Duties: tutorials, grading, and course support for a graduate course on game theory, mechanism design, and behavioral economics.

Awards and Honors

- Distinction in Computer Science, Carleton College, 2020.

- Nominated for membership in Sigma Xi, 2020.

Academic Service

Conference Reviewing

- AAAI Conference on Artificial Intelligence (AAAI-25).