

Noah Bertram

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Website

Education

- 2021– **Cornell University**, *Ithaca, NY*
PhD in Computer Science
- 2017–2021 **University of Rochester**, *Rochester, NY*
Bachelor of Science – Honors in Mathematics with highest distinction,
Bachelor of Arts in Economics with distinction

Positions

- 2021– **PhD student**, *Cornell University*, Computer Science
- Summer **Research assistant**, *University of Rochester*, Computer Science
2020 Worked with Chen Ding, Fatemeh Nargesian, and Daniel Gildea on algorithms for co-occurrence, and with Fatemeh Nargesian on data coverage
- Summer **Research assistant**, *University of Rochester*, Computer Science
2019 Worked with Chen Ding on cache eviction policies and algorithms for co-occurrence

Teaching

- Spring 2023 **Advanced Programming Languages (CS 6110)**, *Cornell University*, Teaching assistant
- Fall 2022 **Reasoning about Uncertainty (CS 6766)**, *Cornell University*, Teaching assistant
- Spring 2022 **Discrete Structures (CS 2800)**, *Cornell University*, Teaching assistant
- Fall 2021 **Networks (CS 2850)**, *Cornell University*, Teaching assistant
- Spring 2020 **Undergraduate Problem Seminar (CSC 200/200H)**, *University of Rochester*, Teaching assistant

Awards

- 2021 **Floyd Giswold Greene and Bessie Denny Greene Memorial Prize**
Awarded by the University of Rochester Department of Economics

Publications

- Verifying Cake-Cutting, Faster**, *2024 International Conference on Computer Aided Verification (CAV 2024)*
Noah Bertram, Tean Lai, Justin Hsu
- Cutting the Cake: A Language for Fair Division**, *2023 ACM SIGPLAN International Conference on Programming Language Design and Implementation (PLDI 2023)*
Noah Bertram, Alex Levinson, Justin Hsu
- Blash from the Past: Least Expected Use (LEU) Cache Replacement with Statistical History**, *2023 International Symposium on Memory Management (ISMM 2023)*
Sayak Chakraborti, Zhizhou (Chris) Zhang, Noah Bertram, Sandhya Dwarkadas, Chen Ding

Partial zeta functions, partial exponential sums, and p -adic estimates, *Finite Fields and Their Applications* (March 2023)

Noah Bertram, Xiantao Deng, C. Douglas Haessig, Yan Li

AWLCO: All Window Length Co-Occurrence, *32nd Annual Symposium on Combinatorial Pattern Matching* (CPM 2021)

Joshua Sobel, Noah Bertram, Chen Ding, Fatemeh Nargesian, Daniel Gildea