Milan Lustig

Computer Systems Researcher

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 green726
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Education

Harvard University   2025 - 2029
Computer Science   Bachelor of Science

Cold Spring Harbor High School   September 2021 - June 2025
4.0uw/4.29w GPA, 1590 SAT, Valedictorian

Experience

Stony Brook University COMPAS Lab   May 2024 - Present
Research Assistant, Simons Fellow (<4% acceptance rate)
 https://compas.cs.stonybrook.edu/

Full time paid Research Assistant employed by SUNY; led project incorporating several graduate students; working to develop novel computer systems for ML accelerators; continued collaboration with IBM researchers

University of Michigan Future of Programming Lab   February 2022 - Present
Lab Member
 http://fplab.mplse.org/

Developed computer science education software used in multiple university courses; collaborated with graduate students on PhD-thesis projects

New York University Martiniani Lab   August 2023 - Sep 2024
Lab Member
 https://martinianilab.org/

Researched computational physics algorithms; studied graduate-level theoretical physics; built high performance parallel Rust simulation software for use in multiple physics research labs

Awards

Regeneron STS Top 300 Scholar   Jan 2025
Society for Science

top 300 out of 2400+ national applicants; solo un-sponsored project researching compilers

ISEF 3rd Place Grand Award   May 2024
Society for Science

3rd Place; 1,700 international finalists, 175,000+ global participants; solo un-sponsored compilers research

Presidential Scholars Semi-Finalist   April 2025
President of United States

600 finalists out of 3.9 million students nationally

Publications

A Configurable Compiled Language With Integrated Transpilation   December 2023
SSRN
 https://dx.doi.org/10.2139/ssrn.4661607

Skills

Programming Languages	Research	Tools
C++, Java, C#, JS, C, Rust, Python, Reason, OCAML	Compilers, Computer Architecutre, PL Theory, Computational Simulation	LLVM, MLIR, ARM, RISCV, Menhir, PyTorch, Git, LaTeX, Linux