

# YUXI LIU

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## EDUCATION

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### University of California, Berkeley

Ph.D. in Computer Science

Sep 2020-Present  
Berkeley, CA

- **Project:** Explaining the scaling laws of large neural networks.

### Australian National University

[B.S. in Mathematics and Theoretical Physics](#)

Feb 2016-Nov 2019  
ACT, Australia

- GPA: 7.0/7.0
- Thesis: *Beyond expectations, but within limits – the theory of coherent risk measures*
- Advisor: Robert Williamson

## SKILLS

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**Languages and Tools** - *proficient:* Python, PyTorch; *competent:* Bash, C, LaTeX, Git, HTML, JavaScript.

**Theoretical Background** - Reinforcement Learning, Deep Learning, Energy-Based Models, Theoretical Physics, Pure and Applied Mathematics, Mathematical Economics, History of Science and Technology

## AWARDS

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### [MSI Honours Scholarship](#)

2019

- Awarded to a student in the mathematical sciences entering the final honours year in the mathematics bachelor program.

### [Hanna Neumann Prize for First Year Mathematics](#)

2016

- Best aggregate results in 12 units of advanced mathematics courses.

## SELECTED PROJECTS

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### [Wikipedia](#)

*Editor*

- Wrote Wikipedia articles on various high-interest high-traffic topics as a public service to the machine learning community, such as [diffusion model](#), [mixture of experts](#), and [generative adversarial network](#).