Claire Chen

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Education

University of Virginia   *Aug. 2023 - May 2027*
B.S., Mathematics & Computer Science, **Echols Scholar**
GPA: 3.98/4.0

Harvard University   *June 2024 - Aug. 2024*
Summer School
GPA:4.0/4.0

Publication

- *Efficient Multi-Policy Evaluation for Reinforcement Learning*
  Shuze Liu, **Claire Chen**, Shangtong Zhang.
  Under review of Association for the Advancement of Artificial Intelligence (**AAAI**), 2025.
- *Research Progress on Familial Medullary Thyroid Cancer*
  Claire Chen.
  International Conference on Biological Engineering and Medical Science (**ICBioMed**), 2022.
- *Research Progress on Varroa Destructor*
  Claire Chen.
  International Conference on Frontiers of Biological Sciences and Engineering (**FBSE**), 2022.

Coursework

Mathematics:		**Computer Science:**	
Real Analysis (MATH 3310)	A^+	Machine Learning (CS 6316 **Graduate-level**)	A^+
Linear Algebra (MATH 3351)	A^+	Discrete Math (CSCI S-20 **Graduate-level**)	A
Probability Theory (MATH 3100)	A^+	Independent Study on Reinforcement	
Calculus II (MATH 1320)	A^+	Learning (CS 4993)	A

Humanities:			
Econometrics (ECON S1123 **Graduate-level**)	A	Micro-Economics (ECON 2010)	A^+
Writing and Critical Inquiry (ENWR 1510)	A^+	Ethical Engagement (EGMT 1540)	A^+

Research Experience

University of Virginia   *March 2024 – Present*
Research Assistant   *Charlottesville, Virginia*

- Proposed a doubly-optimal algorithm for off-policy evaluation, saving up to 90% samples.
- Designed an efficient behavior policy for multi-policy evaluation, saving up to 90% samples.
- Proved the convergence of the Q-learning algorithm in Reinforcement Learning.

Skills

- Programming Language: Python.
- Tools: Pytorch, Git, Slurm, Weight & Biases, VS-Code, Latex.