Ace Chun

202-809-7866 | achun@mit.edu | https://chun.cat/

Education

Massachusetts Institute of Technology 2024 – 2028 (expected)
6-3 (Computer Science) and prospective STS (Science, Technology, and Society) Major *Cambridge, MA*
- **Credits:** 6.100A, 6.1010, 6.2020, 18.01, 18.02, 18.03, 18.C06, 5.111, 8.01, 6.S191, 18.063, 6.1210, 6.3900, 8.02, 7.016, STS.012, 18.4041, 18.600, 6.4400, CMS.614

Montgomery Blair High School 2020 – 2024
Science, Mathematics, and Computer Science Magnet *Silver Spring, MD*

MIT Lincoln Labs Beaver Works Summer Institute 2022
Quantum Software *Cambridge, MA*

Research

Research Intern with MIT IDSS 2025
Institute for Data, Systems, and Society (IDSS) *Cambridge, MA*
- Working with Dr. Crystal Lee and Dr. Catherine D'Ignazio on surveying the relationship between technologies and incarceration.
- Conducting qualitative research into the proliferation of carceral technologies throughout society.
- Prospective co-author on a submission to IEEE ACM Conference on Fairness, Accountability, and Transparency.

Research Intern with the Information Technology Laboratory 2025
National Institute of Standards and Technology (NIST) *Gaithersburg, MD*
- Worked with Dr. Justyna Zwolak and Dr. Merritt Losert on optimizing latched readouts of quantum dot hybrid qubits.
- Designed classical computer vision pipelines and trained deep convolutional neural networks for precise feature localization.
- Presented a poster at the 2025 Quantum Computing Program Review (QCPR).

Research Intern with MIT FutureTech 2024 – 2025
Computer Science and Artificial Intelligence Lab (CSAIL) *Cambridge, MA*
- Worked with Dr. Jayson Lynch as part of the Measuring Progress in Algorithms group.
- Surveyed and analyzed time and space complexity of quantum algorithms.
- Contributed data to the Quantum Economic Advantage Calculator.

Other Work

Undergraduate Teaching Assistant (6.1210: Introduction to Algorithms) 2026
MIT EECS *Cambridge, MA*

Social and Ethical Responsibilities of Computing (SERC) Scholar 2025 – 2026
MIT Schwarzman College of Computing *Cambridge, MA*
- Examined social and ethical implications of chatbot usage with Dr. Patrick McKee.
- Interrogated societal perspectives towards relationships at large, and how they are reflected in interactions with chatbots and LLMs.
- Examined situational case studies of chatbot anthropomorphism and qualitative/quantitative studies on users' sentiments.

Teaching Instructor for Quantum Software 2024
Beaver Works Summer Institute, MITRE and Lincoln Labs *Cambridge, MA*
- Lectured on concepts in quantum computing to high school juniors and seniors.
- Provided assistance to students during final team projects, including an implementation of the Variational Quantum Classifier.

Skills & Interests

Skills: Python, JavaScript, ReactJS, Pandas, Q#, LaTeX, Java, HTML/CSS, Julia, MS Excel, Git, GLOO, C++

Interests: Theory of Computation, Complexity Theory, Quantum Computing, Critical Media Studies, Sociology of Computing, Data Representations