

University Location
Boston, MA

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Home Location
New York, NY

EDUCATION

Massachusetts Institute of Technology

December 2025

Candidate for B.S. in Mathematics with Computer Science

Cambridge, MA

- Relevant Coursework: Software Construction, Advanced Algorithms, Data Structures, Statistics, Combinatorics
- **St. Paul's School**, Concord, NH | SAT: 1580 (800M, 780 RW)

SKILLS

- **Programming Languages:** Python, Java, Kotlin, C++, TypeScript, HTML, GLSL, React
- **Technical Skills:** Kubernetes, Linux, AWS, PostgreSQL, SQL, Git, OpenCV, PyTorch, multimodal AI, OpenGL

EXPERIENCE

Design and Computation Group – MIT

June 2025 – August 2025

AI Research Assistant

Cambridge, MA

- Developed 3D elephant modeling system, enabling new methods for analyzing human-wildlife interaction
- Implemented computer vision pipeline combining Segment Anything 2, COLMAP SfM for camera calibration, and FoundationStereo for 3D elephant skeleton pose estimation
- Trained novel elephant-specific deep learning model on 5,000+ labeled elephant poses adapting SMPL to fit 3D geometry from pose estimation (publication expected 2026)

Arcesium

June 2023 – December 2023, June 2024 – August 2024

Software Engineer Intern

New York, NY

- Optimized migration of terabyte-scale banking client data stored as version-controlled branching tree by enabling parallelized accounting computations, improving P&L report times by 300% on average
- Automated sensitive client financial data migrations, validating integrity of millions of transactions with large scale diff operations using Python, with discrepancy analysis via AWS Athena and SQL
- Designed a Kubernetes job to efficiently copy massive AWS S3 and Postgres client states, leveraging watermarks at branch endpoints to selectively copy active segments, minimizing redundancy and costs
- Delivered department-wide tech demonstrations to showcase product features, driving swift adoption

MassMutual Digital Experience

May 2022 – August 2022

Full Stack Web Developer Intern

Boston, MA

- Implemented front-end and back-end of new secure sign-up flow using React, JavaScript, and Auth0
- Analyzed incoming security threats and patched insecure software to protect databases with sensitive data
- Created new web interfaces using wireframe designs in accordance with industry and company standards

CLICK App

May 2021 – June 2022

Independent Software Engineer

Bellevue, WA

- Led a team of 4 software engineers to independently develop an iOS/Android app with React Native
- Constructed and deployed a database using AWS DynamoDB and authentication with Cognito

LEADERSHIP

MIT Chinese Students Club

September 2021 – February 2024

President

Cambridge, MA

- Organized biweekly events for 200+ club members and the Boston Chinese community to celebrate Chinese culture
- Promoted Asian-American advocacy and raised funds and awareness for social causes

ACHIEVEMENTS/AWARDS

- **Varsity Squash:** MIT Varsity Squash, High School Division I, Team MVP award, ranked top 50 in USA
- **AMC 12: 110.5, AIME: 10** (top 5% of <4,000 qualifiers)