

EDUCATION	<p>Massachusetts Institute of Technology CAMBRIDGE, MA PhD in Electrical Engineering and Computer Science (expected) <i>Awards/Honors: Stata Family Presidential Graduate Fellow</i></p> <p>University of California, Berkeley, BERKELEY, CA B.A. in Computer Science, Highest Distinction GPA: 4.00 <i>Awards/Honors: EECS Honors Program, Phi Beta Kappa</i></p> <p>Polytechnic School, PASADENA, CA High School Diploma GPA: 4.00 (Cum Laude) <i>Awards/Honors: Head of School Award, Scholar Athlete of the Year 2020, Cum Laude Society</i></p>	<p>Aug 2024 - Present</p> <p>Aug 2020 - May 2024</p> <p>Sept 2007 - May 2020</p>
RELEVANT SKILLS	<p>Programming Languages: Python, Java, C, JavaScript, GraphQL, Scheme, SQL, Matlab Software: Pytorch, Tensorflow, Jupyter, LaTeX AWS Services: EC2, S3, DynamoDb, Lambda, SageMaker, ECS, CLI, CloudFormation, EFS, AppSync Technical Skills: Machine Learning, Deep Learning, Full-Stack Software Development, Convex Optimization, Computational Protein Analysis Spoken Languages: <i>Native:</i> English, Spanish, Cantonese, Italian <i>Intermediate:</i> Mandarin</p>	
PROFESSIONAL & RESEARCH EXPERIENCE	<p>BERKELEY AI RESEARCH (BAIR) - ScienceML Group Undergraduate Student Researcher Berkeley, CA</p> <ul style="list-style-type: none">• Developing novel kernel methods to regularize deep networks for biological sequence analysis.• Designing and training Transformer based protein language models for joint sequence modeling and fitness prediction. <p>ROSE HILLS FOUNDATION 2023 SURF Fellow Berkeley, CA</p> <ul style="list-style-type: none">• Walsh-Hadamard Regularization In Deep Learning Models Of Biological Sequences <p>SASTRY LAB, UC BERKELEY Undergraduate Student Researcher Berkeley, CA</p> <ul style="list-style-type: none">• <i>Ping Pong Robot Project, Vision Component:</i> Using data-driven methods and geometric perception to predict ball trajectory. https://arxiv.org/abs/2312.03024 <p>COMPUTATIONAL GENOMICS SUMMER INSTITUTE Participant, Long Program Los Angeles, CA</p> <p>AMAZON WEB SERVICES Software Development Intern: Amazon Chime SDK Team Palo Alto, CA</p> <ul style="list-style-type: none">• <i>Demo Page:</i> Used CloudFormation to create a pre-release standalone demo. Used S3 and DynamoDB for storage, CloudFront for hosting, AppSync to handle queries to DynamoDB and Lambda functions to interface between the resources. Demo was featured in product presentation. Modified production code to add capabilities to existing product.• <i>ML Model Design and Training:</i> Modified existing Pytorch Model Architecture to incorporate additional capabilities to an unreleased product. <p>UC BERKELEY EECS DEPARTMENT Course Staff Berkeley, CA</p> <ul style="list-style-type: none">• <i>Tutor (EECS 16B Fall 2022):</i> Staffing office hours, grading homework• <i>Academic Intern (CS61B Fall 2021):</i> Assisted students with weekly labs, guided them through projects <p>PAPAYA PAYMENTS Software Engineering Intern: Automation Team Los Angeles, CA</p> <ul style="list-style-type: none">• <i>Software Engineering Intern (2021-2022):</i> Developed Javascript bots to automate bill paying; Optimized company bot production flow; Mentored new automation team hires.	<p>January 2023 - June 2024</p> <p>May - August 2023</p> <p>November 2022 - Present</p> <p>July - August 2023</p> <p>Summer 2022</p> <p>Fall 2022, Fall 2021</p> <p>Summer 2019, June 2021 - May 2022</p>