

ETHAN LEE

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EDUCATION

HARVARD UNIVERSITY

Cambridge, MA
May 2023

A.B in Computer Science and Statistics, GPA: 3.89/4.00

Relevant Coursework: Data Structures and Algorithms.

Abstraction & Design in Computation. Intro to Theoretical Computer Science.

Intro to Statistical Inference. Linear Models. Visualization.

Activities: Harvard Open Data Project (President-Elect, Partnerships Director). Harvard Computer Society (Director of Diversity & Inclusion). Datamatch (Algorithms/Web Team). Harvard Crimson. Satire V. Harvard Breakers.

NEEDHAM HIGH SCHOOL

Needham, MA
June 2019

US Presidential Scholars Semifinalist. Award for Academic Excellence. Class Day Speaker.

The Hilltopper (Editor-in-Chief, Website Editor). Math Team (Captain). Seniors Cyber

Security Education (Founder). Projects Abroad Morocco (Instructor). AIME Qualifier.

WORK/EXPERIENCE

ECHELON INSIGHTS

Washington, D.C.
June - August 2020

Intern

Used machine learning to create sentiment analysis models for Echelon datasets using Python natural language processing and neural network methods.

FATHOM INFORMATION DESIGN

Cambridge, MA
July - August 2019

Intern

Analyzed data using Python and created data visualizations with JavaScript for Barbara Bush Foundation literacy project.

MIT CSAIL

Cambridge, MA
June - July 2019

Intern

Proved simulation property between implementation and specification of memory system design for Hemiola project using Coq.

HARVARD SEAS

Cambridge, MA
May 2018 – June 2019

Intern

Contributed to the formalization of the Flow-Limited Authorization Calculus (FLAC), an information flow control language; using Coq and Haskell, conducted program verification and made necessary changes to technical report.

PROJECTS

VOTRCRWD

Cambridge, MA
October 2020 – Present

Project Member

Lead location API and frontend implementation for voting location capacity and information website; won IvyHacks “Best Use of Google Cloud – COVID-19 Hackathon Fund”; to be expanded at Google Cloud COVID-19 Hackathon.

BLOOM WEBSITE DEVELOPMENT

Cambridge, MA
September 2020 – December 2020

Project Member

Led frontend development using React and contributed to backend development using Node/Express for website creation for Bloom Education Fund, an education nonprofit.

CAMBRIDGE DIGITAL EQUITY ANALYSIS

Cambridge, MA
September 2020 – November 2020

Project Leader

Led project using R and Python to analyze data on digital equity in Cambridge for the Cambridge Nonprofit Coalition, organization that serves 50+ other nonprofits in Cambridge area.

DATAMATCH

Cambridge, MA
November 2019 – Present

Project Member

Contribute to matchmaking algorithm using modifications to Gale-Shapley in Python and to web development in React.

SKILLS & INTERESTS

Technical: Python, JavaScript (React, p5, D3), Java, HTML/CSS, C++, R, OCaml, and Coq.

Language: Fluent Korean and Basic Latin.

Additional Interests: Soccer, Global Studies, Short Story Writing, Guitar.