ETHAN LEE

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EDUCATION

HARVARD UNIVERSITY — Cambridge, MA

A.B in Computer Science and Statistics — May 2023

Relevant Coursework: Abstraction and Design in Computation (CS 51).
Intro to Theoretical Computer Science (CS 121). Intro to Statistical Inference (STAT 111).
Linear Models (STAT 139). Visualization (CS 171).

Activities: Harvard Computer Society (Director of Relations). Harvard Open Data
Project (Partnerships Director). Datamatch (Algorithms Team). Harvard Data Analytics
Group. Harvard Crimson (Sciences Division Reporter). 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.

Intern — June - August 2020

Contributed to data analyses and created sentiment analysis models for Echelon datasets using Python natural language
processing and neural network methods.

FATHOM INFORMATION DESIGN — Cambridge, MA

Intern — July - August 2019

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

MIT CSAIL — Cambridge, MA

Intern — June - July 2019

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

HARVARD SEAS — Cambridge, MA

Intern — May 2018 – June 2019

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

Project Member — October 2020 – Present

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.

CAMBRIDGE DIGITAL EQUITY ANALYSIS — Cambridge, MA

Project Leader — September 2020 – Present

Lead 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.

BLOOM WEBSITE DEVELOPMENT — Cambridge, MA

Project Member — September 2020 – Present

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

HARVARD CRIME ANALYSIS — Cambridge, MA

Project Member — October – November 2019

Analyzed patterns of crime in the Harvard area relating to date, location, etc. with Harvard University Police data.

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.