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. Intro to Theoretical
Computer Science. Intro to Statistical Inference.

Activities: Harvard Computer Society (Director of Relations). Harvard Open Data
Project (Partnerships Director). Harvard Crimson (Sciences Division Reporter). Satire
V. Datamatch (Algorithms Team). Harvard Sports Analysis Collective.

NEEDHAM HIGH SCHOOL   Needham, MA
US Presidential Scholars Semifinalist. Award for Academic Excellence. Class Day Speaker.   June 2019
The Hilltopper (Editor-in-Chief, Website Editor). Math Team (Captain). Senior Citizen Cyber Security Education
(Founder/Leader). Projects Abroad Morocco (Instructor). AIME Qualifier.

EXPERIENCE

ECHELON INSIGHTS   Washington, D.C.
Intern   June - August 2020
Contributed to data analyses and created sentiment analysis models for Echelon datasets using machine learning 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   May - July 2019
Proved simulation property between the implementation and specification of a memory system design 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

DATAMATCH   Cambridge, MA
Project Member   November 2019 – February 2020
Contributed to matchmaking algorithm based on modifications to Gale-Shapley algorithm.

HARVARD CRIME ANALYSIS   Cambridge, MA
Project Member   October – November 2019
Analyzed patterns of crime in the Harvard area with Harvard University Police data through Harvard Open Data Project.

DRUG & NICOTINE EFFECTS ANALYSIS   Needham, MA
Project Leader   February 2019
Led team to analyze data on substance abuse and make mathematical models on spread and impact of alcohol,
marijuana, nicotine, and opioids for M3 Challenge using Python and R.

UNDERSTANDING AFGHANISTAN   Needham, MA; Kandahar, Afghanistan
Founder/Leader   March – September 2018
Facilitated virtual face-to-face discussions between Needham HS students and students from Kandahar Institute of Modern
Studies (KIMS), Afghanistan.

SKILLS & INTERESTS

Technical: Python, JavaScript (React, p5), HTML/CSS, R, OCaml, Java, and Coq.
Language: Fluent Korean and Basic Latin.
Additional Interests: Soccer, Global Studies, Short Story Writing, Guitar.