Eric Lin

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Education

Harvard College   **Cambridge, MA**
Pursuing Advanced Standing in Computer Science and Economics   *May 2022*
Major GPA: 4.0; Cumulative GPA: 3.92 **Courses:** CS 50, 91r, 124 (Data Structures & Algorithms),
Ec 1010a, 1010b (Intermediate Micro/Macro), Math 21a, 22a (Multivar. Calculus & Linear Algebra)

Thomas Jefferson High School for Science and Technology   **Alexandria, VA**
Graduated with Advanced Studies Jefferson Diploma   *June 2018*
Weighted GPA: 4.597, Unweighted GPA: 3.96 **Courses:** Linear Algebra, Micro- and Macroeconomics,
Statistics, Physics C Mechanics and E&M, Concrete Math, AI, and Computer Vision

Technical Skills

5+ Years of **Python** and **Java** experience: TensorFlow, skLearn, **Django**, **Git**   **C++:** OpenCV
Microsoft Azure: Platform Testing   **LaTeX**, **ABINIT**, **Mathematica**   **Javascript**, **CSS**, **SQL**

Research Publications

Real-Time Bayesian Micro-Analysis Model for Metro Traffic Flow
25th ACM SIGSPATIAL International Workshop on Smart Cities and Urban Analytics
Authors: Eric Lin, Jinhyung D. Park, and Andreas Züfle   doi: 10.1145/3152178.3152190
Derived Bayesian bipartite algorithm that outperforms Google Maps Metro traffic flow prediction.

Protecting User Privacy: Obfuscating Discriminative Spatio-Temporal Footprints
25th ACM SIGSPATIAL Workshop on Location-based Services and Social Networks
Authors: Jinhyung D. Park, Erik Seglem, Eric Lin, and Andreas Züfle   doi: 10.1145/3148150.3148152
Developed algorithm based on informational entropy and machine learning to protect social media data.

Experience

WealthEngine   **Bethesda, MD**
Data Analyst   *January 2019*
Market segmentation: ranking algorithm for 51,000 clients; funnel conversion analysis on revenue pipeline.

Harvard Data Ventures with Bevi *Project Lead*   *October 2018 – Present*
Led analytics team on time-series consumer data to streamline supply-chain, steering company decisions.

Harvard Undergraduate CBE *Consulting Associate*   *September 2018 – Present*
Evaluated market opportunities in edge computing for leading technology firm.

Harvard Project for Asia and International Relations *Tech Associate September 2018 – Present*
Developed delegate portal website from scratch (using Python Django, Javascript, CSS, Bootstrap, SQL,
and Git), supporting traffic of thousands of users and half a million dollars of throughput.

Harvard Kennedy School Institute of Politics *Policy Analyst*   *September – December 2018*
Co-author of policy paper on patent troll legislation commissioned by Massachusetts Senator Eric Lesser.

BranchOut! Multicultural STEAM Education   **Washington, D.C**
Chief Marketing Officer promoted from Press Officer   *May 2017 – July 2018*
Awarded U.S. House of Representatives Certificate of Congressional Recognition for Leadership.
Organized and marketed events with 200+ attendants including State and County representatives.
Recruited and trained 65 mentors from 25 high schools. Directed and produced promotional video.

Center for Geospatial Intelligence at George Mason University   **Fairfax, VA**
Data Science Research Intern   *June – September 2017*
Published machine learning research on 100 million+ time-series data points using Python.

Datsura   **McLean, VA**
Blockchain Analyst Intern   *July – September 2016*
Constructed Blockchain prototype for healthcare services on the cloud using Microsoft Azure.

Honors: Northrop Grumman Engineering Scholar, Siemens Regional Finalist, Regeneron STS Top 300
Piano: National YoungArts Winner, Soloist with National Symphony Orchestra at Kennedy Center