

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: Ec 1010a (Intermediate Microeconomics), Math 21a (Multivariable Calculus), and CS 50

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 – Present

Market segmentation: developed ranking algorithm for 51,000 clients; trend 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