

Eric Lin

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Education

Harvard College **Cambridge, MA**
Concentration in Computer Science and Secondary in Economics *May 2021*
Pursuing Advanced Standing – Graduating in 3 years, *GPA N/A (Freshman)*
Courses: *CS 61 (Systems), Ec 1010a (Intermediate Microeconomics), and Math 21a*
Thomas Jefferson High School for Science and Technology **Alexandria, VA**
Advanced Studies Jefferson Diploma *June 2018*
Weighted GPA: 4.597, Unweighted GPA: 3.96

Technical Skills

Python: SciKit-Learn, Pandas, SciPy **Java:** Android development **C++:** OpenCV
Microsoft Azure: Platform Testing **ABINIT:** DFT & Bandgap Calculations **Mathematica**

Experience

BranchOut! Multicultural STEAM Education **Washington, D.C**
Chief Marketing Officer *September 2017 – July 2018*
Organized and marketed events with 200+ attendants including State and County representatives.
Awarded U.S. House of Representatives Certificate of Congressional Recognition for Leadership.
Press Officer *May – September 2017*
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*
Spearheaded research, produced two publications, and coordinated daily meetings.

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

Project BEST **Fairfax, VA**
Marketing Director *February 2016 – June 2018*
Established connections and support from over 50 middle school principals.
Interviewed with local TV and drew a record number of participants to a self-organized STEM camp.

Hope Chinese School **Tysons Corner, VA**
Teaching Assistant *August 2015 – June 2018*
Lectured and designed innovative curriculum for Python and Java introductory programming classes.

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.