

# Eric Lin

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## Education

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<b>Harvard College</b> Pursuing Advanced Standing in Computer Science and Economics <i>GPA N/A until December 2018</i> <b>Courses:</b> <i>Ec 1010a (Intermediate Microeconomics), Math 21a (Multivariable Calculus), and CS 50</i>	<b>Cambridge, MA</b> <i>May 2022</i>
<b>Thomas Jefferson High School for Science and Technology</b> Graduated with Advanced Studies Jefferson Diploma <i>Weighted GPA: 4.597, Unweighted GPA: 3.96</i> Linear Algebra, Physics C Mechanics and E&M, Statistics, Concrete Math, AI, and Computer Vision	<b>Alexandria, VA</b> <i>June 2018</i>

## Technical Skills

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<b>Python:</b> TensorFlow, SK-Learn, Pandas, <b>Django</b>	<b>Java:</b> Android development	<b>C++:</b> OpenCV
<b>Microsoft Azure:</b> Platform Testing	<b>ABINIT:</b> DFT, <b>LaTeX</b>	<b>Javascript, CSS, SQL</b>

## Publications

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**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

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<b>Harvard Data Ventures with Bevi</b> <i>Project Lead</i> Leads team on conducting data analytics on time-series consumer data for smart drinks company Bevi.	<i>October 2018 – Present</i>
<b>Harvard Undergraduate CBE</b> <i>Consulting Analyst</i> Evaluates market opportunities in edge computing for leading technology firm.	<i>September 2018 – Present</i>
<b>Harvard Kennedy School Institute of Politics</b> <i>Policy Analyst</i> Co-author of policy paper on patent troll legislation commissioned by Massachusetts Senator Eric Lesser.	<i>September 2018 – Present</i>
<b>Harvard Project for Asia and International Relations</b> <i>Tech Associate</i> Developed delegate portal website from scratch (using Python Django, Javascript, CSS, Bootstrap), supporting traffic of thousands of users and half a million dollars of throughput.	<i>September 2018 – Present</i>
<b>BranchOut! Multicultural STEAM Education</b> <i>Chief Marketing Officer promoted from Press Officer</i> 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.	<b>Washington, D.C</b> <i>May 2017 – July 2018</i>
<b>Center for Geospatial Intelligence at George Mason University</b> <i>Data Science Research Intern</i> Spearheaded research, produced two publications, and coordinated daily meetings.	<b>Fairfax, VA</b> <i>June – September 2017</i>
<b>Datsura</b> <i>Blockchain Analyst Intern</i> Developed Blockchain prototype for healthcare services on the cloud using Microsoft Azure.	<b>McLean, VA</b> <i>July – September 2016</i>
<b>Project BEST</b> <i>Marketing Director</i> Interviewed with local TV, connected with 50+ principals, and drew a record number of participants.	<b>Fairfax, VA</b> <i>February 2016 – June 2018</i>