

David Stein

cv@stein.fyi — <http://stein.fyi/> — 323.393.3553

— ACADEMIC POSITIONS —

- '25 – Present **Vanderbilt University School of Law**
Assistant Professor of Law
- '24 – '25 **Northeastern University**
Assistant Professor of Law, School of Law
Assistant Professor of Computer Science, Khoury College of Computer Sciences
- '22 – '24 **NYU School of Law**
Adjunct Professor (2022-2024);
Frank Guarini Scholar of Global Law and Technology, Guarini Global Law & Tech (2022-24);
Postdoctoral Fellow, Information Law Institute (2022-2024)
- '09 – '11 **MIT**
Research Scientist, Distributed Robotics Lab, Computer Science and AI Lab (2009-2011)
Research Scientist, Systems Engineering Advancement Research Initiative (2009-2010)

— EDUCATION —

- '22 **J.D., Cum Laude**, NYU School of Law
Furman Scholar; Lederman Fellow; Engelberg Fellow; Cybersecurity Scholar; Latham & Watkins Award in Law & Tech; Privacy Research Group Fellow; J. Legis. & Pub. Pol'y, Substantiation Editor.
- '20 **M.Eng.**, Electrical Engineering and Computer Science, MIT
Sigma Xi (Scientific Research Honor Society)
- '11 **S.B.**, Computer Science, MIT

— PROFESSIONAL EXPERIENCE —

- '20 – '22 **Federal Public Defender's Office, W.D. Pa.**
Subject Matter Expert (Online Data)
- '21 **Reichman, Jorgensen, Lehman & Feldberg**
Summer Associate, Appellate Litigation, Software IP
- '21 **Axinn, Veltrop & Harkrider**
Summer Associate, Antitrust
- '17 – '19 **Sidewalk Labs (Google Subsidiary)**
Cybersecurity Lead (2018 – 2019)
Privacy Engineer, Digital Identity Infrastructure (2018 – 2019)
Tech Lead, Smart Traffic Lights (2017 – 2019)
- '16 – '17 **Braze**
Director of Engineering
- '16 **Foursquare Labs**
Product Engineer, Enterprise Products
- '11 – '15 **Dropbox**
Product Engineer, New Product Verticals (2014-2015)
Founding Engineering, Internet Tools & Automation (2013 – 2014)
Tech Lead & Software Engineer, Analytics (2011 – 2013)
- '10 **Microsoft**
Graduate Research Intern, Technical Computing Cloud, Developer Division

SERVICE

- '24 – '25 **Vermont Judiciary Committee on Artificial Intelligence and the Court**, Committee Member
- '25 **4th ACM Symposium on Computer Science and Law**, Program Committee
- '21 – '25 **MIT 12.000 – Solving Complex Problems**, Industry Mentor

PUBLICATIONS

- '26 *Generative Misinterpretation*
(w/ James Grimmelman & Benjamin Sobel)
63 HARV. J. LEGIS. __ (FORTHCOMING 2026)
- '25 *Building a Long Text Privacy Policy Corpus with Multi-Class Labels*
F. Marotta-Wurgler*, D. Stein*
63 PROC. ASSOC. COMP. LINGUISTICS [ACL] __ (Forthcoming 2025)
- '24 *Hot Apps: Recalibrating IP to Address Online Software*
2024 WIS. L. REV. 1013
- '23 *Data Insecurity Law*
39 SANTA CLARA HIGH TECH. L.J. 445
- '14 *Multi-Attribute Tradespace Exploration for Survivability*
A. Ross*, D. Stein*, D. Hastings,
51 J. SPACECRAFT & ROCKETS 1735
- '11 *Constraint-aware Coordinated Construction of Generic Structures*
D. Stein, T. Schoen, D. Rus,
PROC. 2011 IEEE/RSJ INT'L CONF. INTELLIGENT ROBOTS [IROS] 4803
- '10 *Experiments in Decentralized Robot Construction with Tool Delivery and Assembly Robots*
A. Bolger*, M. Faulkner*, D. Stein*, L. White*, S. Yun*, D. Rus,
PROC. 2010 IEEE/RSJ INT'L CONF. INTELLIGENT ROBOTS [IROS] 5085
- '09 *Multi-Attribute Tradespace Exploration for Survivability: Application to Satellite Radar*
M. Richards*, A. Ross*, D. Stein*, D. Hastings,
2009 AIAA SPACE FORUM 6728

Book

- '25 FUNDAMENTALS OF DATA-DRIVEN POLICYMAKING
(pub. Taylor & Francis) (w/ Emily Moberg, forthcoming)

Book Chapter

- '18 *Digital Innovation*, in TORONTO TOMORROW: THE MASTER INNOVATION AND DEVELOPMENT PLAN FOR THE QUAYSIDE DISTRICT, Vol. 2 Ch. 5, (w/ co-authors under shared corporate pseudonym)

Patents

- '23 *Methods, Systems, and Media for Secure Authentication of Users Based on a Biometric Identifier and Knowledge-Based Secondary Information*
David Stein, Ryan Vilim, John Wittrock,
U.S. Patent. 12256011B2 (published Mar. 18, 2025), Int'l Pub. No. WO 2023/0318838 (published Oct. 5, 2023)

Secure Methods, Systems, and Media for Generating and Verifying User Credentials,
John Wittrock, David Stein
U.S. Patent 11652819 (issued May 16, 2023)
- '21 *Methods, Systems, and Media for Recovering Identity Information in Verifiable Claims-Based Systems*
David Stein, John Wittrock,
U.S. Patent 11108760 (issued Aug. 31, 2021)

- '21 *Identity Systems, Methods, and Media for Auditing and Notifying Users Concerning Verifiable Claims*
David Stein, John Wittrock,
U.S. Patent 11115207 (issued Sept. 21, 2021)
- '16 *Authorization Review System*
David Stein,
U.S. Patent 9497253 (issued Nov. 15, 2016)
- '16 *Presenting Data in Response to an Incomplete Query*
David Stein,
U.S. Patent 9235636 (issued Jan. 12, 2016)
- '13 *Unified Interface for Querying Data in Legacy Databases and Current Databases*
David Stein,
U.S. Patent App. 13737322 (Jan. 9, 2013)

— SELECTED CONFERENCE AND WORKSHOP PRESENTATIONS —

- '25 **ACL**
ACM CS & Law
IPSC
Junior Scholars Conference
PatCon
Works in Progress in IP
- '24 **BU IP Workshop**
- '23 **Conference on Empirical Legal Studies**
Mapping the Online World Conference
Conference on the Countervailing Power of AI
- '11 **IEEE/RSJ Int'l Conf. on Intelligent Robots**
Constraint-aware Coordinated Construction of Generic Structures
- '10 **IEEE/RSJ Int'l Conf. on Intelligent Robots**
Experiments in Decentralized Robot Construction with Tool Delivery and Assembly Robots

— SELECTED INVITED SPEAKING —

- '25 **Vermont Bar Association Annual Meeting**
Panel on AI and Legal Practice
- '24 **MIT (Guest Lecture)**
Liability for Software Systems

Conference of Chief Justices and State Court Administrators of New England,
AI and the courts

IP Day, Boston University Technology & Policy Research Initiative
[panel] AI and Copyright
- '23 **NYU School of Law**
Intro to AI for Policymakers

Guarini Center for Global Law & Tech
How should lawyers think about "generative AI"?
- '22 **American University Kogod School of Business (Guest Lecture)**
Data-Driven Decision-making in Large Organizations
- '20 **NYU Information Law Institute (4-session lecture series)**
Survey of Modern Technologies and Infrastructures

- '19 **Physical Infrastructure Cybersecurity Colloquium, Center for Buildings, Infrastructure, and Public Spaces, Columbia University**
[panel] Private Sector Perspectives
- [declined] 4th IEEE International Smart Cities Conference**
[panel] Securing Cities – Challenges and Opportunities
- LikeMinds Conference**
Blockchain: WTF? A primer on blockchain technologies for artists and journalists
- '18 **[declined] IdentityNORTH Conference**
(keynote) Digital Identity in Cities,

— COURSES —

- '25 **Law & Global Technology**, Northeastern Law
Data Infrastructure Law, Maine Law (Visiting Summer Privacy Institute Professor)
- '24 **Global Technology Law**, NYU Law (adjunct)
- '23 **Global Technology Law**, NYU Law (adjunct)
- '10 **Elements of Software Construction**, MIT (recitation instructor)

— SELECTED PROGRAMMING COMPETENCIES —

Python, JVM (Java, Scala), .NET (C#, VB, IronPython), Ruby, ECMAScript (JavaScript, Typescript, CoffeeScript), React, jQuery, CSS, SCSS, SaSS, HTML4.01, HTML5, SQL (PostgreSQL, MySQL, Hive), NoSQL (Redis, MongoDB), AWS (eb, ec2, rdb, redshift), ETL (Celery, Kafka, Luigi), containerization (Docker, Kubernetes), lisp (scheme, elisp), C, C++, Rust, Kotlin, ASM (x86), CUDA, MATLAB, ML/data (Keras, TensorFlow, Pandas, NumPy, SpaCy), bash, fish, LaTeX, PDF, PostScript