

DAVID STEIN

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EDUCATION

NEW YORK UNIVERSITY SCHOOL OF LAW, New York, NY

Candidate for J.D., May 2022

Activities: Privacy Research Group, Student Fellow; Federalist Society, Member

Research Assistant: Professor Florencia Marotta-Wurgler (Fall 2019); Professor Scott Hemphill (July-September 2019)

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA

M.Eng. in Computer Science, Anticipated Summer 2020

Honors: Sigma Xi (Scientific Research Honor Society)

2011 Thesis: *Constraint-Aware Coordinated Robotic Construction of Generic Structures*

2020 Thesis: *Public Policy Implications of Automated Systems Research* [working title]

Recitation Instructor: Elements of Software Design (Fall 2010)

Lab Assistant: Elements of Software Design (Spring 2009); Intro to Computer Science (Fall 2008)

Research Scientist: MIT Computer Science and AI Lab's Distributed Robotics Lab (May 2009–June 2011);
MIT Systems Engineering Advancement Research Institute (May 2008–May 2009)

S.B. in Computer Science, June 2011

Activities: Heavyweight Crew, 1st boat, Division I; Kappa Sigma Fraternity, President, Treasurer, Building Manager;
Interfraternity Council (elected 6-person leadership council for 1000+ member community)

EXPERIENCE

ALPHABET - SIDEWALK INFRASTRUCTURE PARTNERS, New York, NY

Strategy Advisor, August 2019. Advised on development of technical strategy for recently created investment fund anchored by Alphabet and Ontario Teacher's Pension Plan. Identified and vetted potential initial portfolio companies.

ALPHABET - SIDEWALK LABS, New York, NY

Cybersecurity Lead, May 2018-July 2019. Responsible for cybersecurity strategy, including for a multibillion-dollar smart district in Toronto. Managed remote teams of consultants. Invited industry advisor for the development of Canadian "Internet of Things" standards. Co-wrote "Digital Innovation" chapter of Master Innovation and Development Plan for Toronto's Quayside District.

Privacy and AI Researcher, July 2017-July 2019. Invented and patented novel facial recognition and digital identity systems. Designed, built, and deployed AI-powered traffic control systems. Negotiated multi-year eight-figure joint venture.

BRAZE, New York, NY

Director of Engineering, May 2016-July 2017. Led the 24-person engineering department through three major product launches, resulting in over 50% revenue growth and a doubling of user base. Instituted formalized process for hiring and performance reviews. During tenure, company's private valuation doubled to \$850 million.

FOURSQUARE, New York, NY

Product Engineer, January 2016-March 2016. Designed and delivered a new product to convert foot traffic data into market insights to assist in "pivoting" the company from a consumer-focused app to an enterprise software company.

DROPBOX, San Francisco, CA

Product Engineer, New Products. December 2014-December 2015. Responsible for designing and building new products and bringing them to market. Co-developed the technology driving the comments and notifications on files on the Dropbox website.

Lead Engineer, Productivity, February 2013-January 2015. Created the "productivity team" to scale the business by reducing headcount requirements through automation. Recruited 11 engineers and a manager. Built an automated salesperson that continues to be responsible for tens of millions of dollars in annual revenue. Designed and built automated systems for responding to subpoenas, answering support questions, and closing monthly and quarterly financial reporting.

Technical Lead, Analytics, June 2011-June 2013. Early engineer (~20th to join). Designed and built the tools and infrastructure that are still used for user behavior research and financial reporting. Led cybersecurity response and defense efforts against a sophisticated foreign attacker.

ADDITIONAL INFORMATION

Publications and patents available upon request or at davidbstein.com/publications

Invited panelist at: 4th IEEE International Smart Cities Conference (declined); Columbia CBIPS Physical Infrastructure Cybersecurity Colloquium; LikeMinds 2019; IdentityNORTH 2018. Compensated advisor to Vela and WayScript (tech startups).

Hobbies include running marathon and ultra-marathons, jazz piano, baking, designing custom electronics.

Active in Deerfield Academy's and MIT's formal alumni mentorship programs.