



COMPUTER SCIENCE^(I)



COLUMBIA | ENGINEERING (<http://engineering.columbia.edu/>)
The Fu Foundation School of Engineering and Applied Science

Faculty

Faculty

Faculty Emeritus and Former Professors



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Alman, Josh (<http://joshalman.com>)

Assistant Professor of Computer Science

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Interests: theory, algorithms, complexity, algebra in computation



(<http://joshalman.com/CV.pdf>)



(<https://scholar.google.com/citations?user>)



(<http://joshalman.com>)



(<http://www.mit.edu/~andoni/>)

Andoni, Alexandr (<http://www.mit.edu/~andoni/>)

Associate Professor

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Interests: Algorithmic foundations of massive data, including sublinear algorithms, high-dimensional geometry, theoretical machine learning



(<http://www.mit.edu/~andoni/andoni.pdf>)



([https://scholar.google.com/citations?](https://scholar.google.com/citations?user=Evgx6UkAAAAJ)

[user=Evgx6UkAAAAJ](http://www.mit.edu/~andoni/)) A blue circular icon with a white 'www' symbol.

(<http://www.mit.edu/~andoni/>)



(<https://causalai.net/>)

Bareinboim, Elias (<https://causalai.net/>)

Associate Professor

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Interests: Causal Inference, Artificial Intelligence, and Machine Learning.



(<https://causalai.net/cv-bareinboim.pdf>)



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D7YAAAAJ&hl=en)  www (<https://causalai.net/>)



Bauer, Daniel (<http://www.cs.columbia.edu/~bauer>)

Lecturer in Discipline

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Interests: Natural Language Processing, Machine Learning, Computer Science Education

(<http://www.cs.columbia.edu/~bauer>)



(https://engineering.columbia.edu/files/seas/content/faculty-cv/bauer-daniel_cv-102019.pdf)



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Belhumeur, Peter N (<http://www.peternbelhumeur.com>)

Professor

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Interests: computer vision; graphics; image-based rendering; face recognition

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(https://engineering.columbia.edu/files/seas/content/faculty-cv/belhumeur_cv_2019.pdf)



(<https://scholar.google.com/citations?user=J8YyZugAAAAJ&hl=en>)



(<http://www.peternbelhumeur.com>)



Bellovin, Steven M. (<https://www.cs.columbia.edu/~smb>)

Percy K. and Vida L. W. Hudson Professor of Computer Science

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Interests: security, networks, privacy, public policy

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user=9RlvgLEAAAAJ&hl=en) 
(<https://www.cs.columbia.edu/~smb>)



(<https://www.cs.columbia.edu/~pblaer/>)

Blaer, Paul S (<https://www.cs.columbia.edu/~pblaer/>)

Senior Lecturer in Discipline

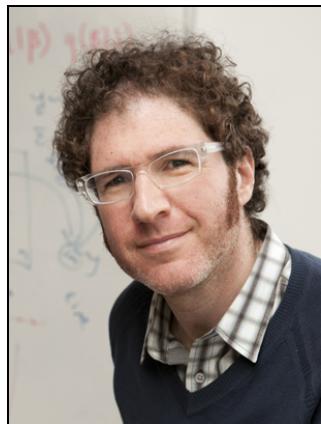
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Interests: robotics, vision, sensor planning, 3D modeling, mobile computing, computer science education

 (<https://www.cs.columbia.edu/~pblaer/cv.txt>) 

([https://scholar.google.com/citations?](https://scholar.google.com/citations?user=WYcYBMwAAAAJ&hl=en)


(<https://www.cs.columbia.edu/~pblaer/>)



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Blei, David (<http://www.cs.columbia.edu/~blei>)

Professor, Joint with Statistics

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Interests: Statistical machine learning, topic models, scalable Bayesian computation



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(<https://scholar.google.com/citations?user=8OYE6iEAAAAJ&hl=en>)



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Blumberg, Andrew

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Professor, Joint with Mathematics

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Interests: Topological and geometric data analysis,
computational biology, computer security

(<https://web.ma.utexas.edu/users/blumberg/>)



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Lecturer in Discipline

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Interests: Algorithms, applied signal processing for
communications and music technology, computer
science education

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(<https://www.cs.columbia.edu/~borowski/BrianBorowski-CV.pdf>) (<https://scholar.google.com/citations?user=d7dmXtoAAAAJ&hl=en>) (<https://www.brianborowski.com/>)



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Cannon, Adam H (<http://www.cs.columbia.edu/~cannon>)

Senior Lecturer in Discipline

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Interests: machine learning, pattern recognition, data mining



(<http://www.cs.columbia.edu/~cannon/CannonCV.pdf>)



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Professor and Department Chair

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Interests: System-on-Chip (SoC) Platforms, Embedded Systems, System-Level Design, Computer-Aided Design

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Chaintreau, Augustin

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Associate Professor

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Interests: Networked Algorithms, Social Networks, Mobile Computing, Stochastic Networks

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(<http://www.cs.columbia.edu/~augustin/chaintreau-resume.pdf>) (<https://scholar.google.com/citations?user=www>) (<http://www.cs.columbia.edu/~augustin>)



Chang, Shih-Fu (<http://www.ee.columbia.edu/~sfchang>)

Joint, Richard Dicker Professor of Electrical Engineering

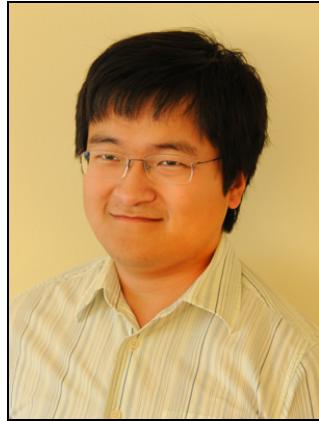
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Interests: multimedia, computer vision, machine learning, information retrieval, signal processing

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(<https://scholar.google.com/citations?user=OMVTRscAAAAJ&hl=en>)

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Professor

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Interests: Algorithmic Game Theory and Economics,
Complexity Theory

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(http://www.cs.columbia.edu/documents/cv/chen/CV_Full.pdf)



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Lecturer in Discipline

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Interests: Robotics, Planning, Reinforcement Learning

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(<http://www.cs.columbia.edu/~tdear>)



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Interests: information theory, network coding, randomized, online and approximation algorithms,

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network analysis, and dimensionality reduction techniques



(https://engineering.columbia.edu/files/seas/content/faculty-cv/dreni-eleni_cv-102019.pdf)

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Associate Professor

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Interests: Compilers, Embedded systems, VLSI,
computer-aided design, digital systems, languages

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(<http://www.cs.columbia.edu/~sedwards/cv.pdf>)



(https://scholar.google.com/citations?user=3aw_314AAAAJ&hl=en)

[www](#)

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Feiner, Steven K (<http://www.cs.columbia.edu/~feiner>)

Professor

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Interests: Human-computer interaction, graphics and user interfaces, 3D user interfaces, augmented reality, virtual environments, knowledge-based design of graphics and multimedia, mobile and wearable computing, computer games, healthcare, information visualization,



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Geambasu, Roxana

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Associate Professor

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Interests: distributed systems, operating systems, security and privacy, cloud computing, mobile computing



(https://roxanageambasu.github.io/public/geambasu_cv.pdf)



(<https://scholar.google.com/citations?>

user=f8RkRagAAAAJ&hl=en) A blue circular icon containing a white 'www' symbol.

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Gravano, Luis (<http://www.cs.columbia.edu/~gravano>)

Professor

- **Office:** 706 CEPSR
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Interests: databases, information retrieval, web search, social media, information extraction

(<http://www.cs.columbia.edu/~gravano>)



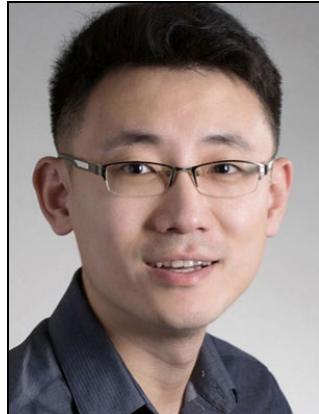
(<http://www.cs.columbia.edu/~gravano/vita.html>)



(<https://scholar.google.com/citations?>

user=Ff6era8AAAAJ) A blue circular icon containing a white 'www' symbol.

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(<http://guronghui.com>)

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([https://www.cs.columbia.edu/~rgu/RonghuiGu_files/ronghui-](https://www.cs.columbia.edu/~rgu/RonghuiGu_files/ronghui-CV.pdf)

([https://scholar.google.com/citations?](https://scholar.google.com/citations?user=5WLG7j8AAAAJ&hl=en)

user=5WLG7j8AAAAJ&hl=en) [www](http://guronghui.com)

(<http://guronghui.com>)



(<http://www.cs.columbia.edu/~julia/>)

Hirschberg, Julia B. (<http://www.cs.columbia.edu/~julia/>)
Percy K. and Vida L. W. Hudson Professor of Computer Science

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Interests: Computational Linguistics/Natural Language Processing, prosody, emotional speech, spoken dialogue systems, deceptive speech, entrainment/alignment in dialogue, text-to-scene generation, speech summarization, code-switching



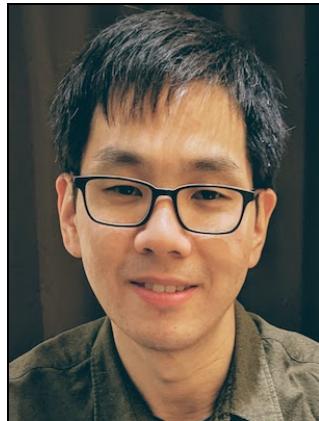
(<http://www.cs.columbia.edu/~julia/files/cv.pdf>)



([https://scholar.google.com/citations?
user=Qrd7FCoAAAAJ&hl=en](https://scholar.google.com/citations?user=Qrd7FCoAAAAJ&hl=en))



(<http://www.cs.columbia.edu/~julia/>)



Hsu, Daniel J (<http://www.cs.columbia.edu/~djhsu/>)

Associate Professor

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Interests: algorithmic statistics, machine learning, privacy

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user=Bp6tvy0AAAAJ&hl=en](https://scholar.google.com/citations?user=Bp6tvy0AAAAJ&hl=en))



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Jana, Suman (<http://sumanj.info>)

Associate professor

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Interests: security and privacy, applied cryptography,
operating systems, software engineering



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user=SDY9FwUAAAAJ&hl=en](https://scholar.google.com/citations?user=SDY9FwUAAAAJ&hl=en))



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Kaffes, Kostis ()

Starting Fall 2023

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Kaiser, Gail E (<http://www.cs.columbia.edu/~kaiser>)

Professor

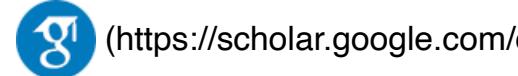
- **Office:** 607 CEPSR
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Interests: static and dynamic program analysis, software testing, software security, applications of AI to software engineering and vice versa

(<http://www.cs.columbia.edu/~kaiser>)



(<http://www.cs.columbia.edu/~kaiser/vita.html>)



([https://scholar.google.com/citations?](https://scholar.google.com/citations?user=LIdVIPsAAAAJ&hl=en)



user=LIdVIPsAAAAJ&hl=en) [www](http://www.cs.columbia.edu/~kaiser)
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Kender, John R (<http://www.cs.columbia.edu/~jrk/>)

Professor

- **Office:** 622 CEPSR
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Interests: Computer vision; video understanding; visual user interfaces; artificial intelligence

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user=RBuoCYEAAAJ&hl=en](https://scholar.google.com/citations?user=RBuoCYEAAAJ&hl=en)) 
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Associate Professor

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Interests: Computer Architecture, Hardware Systems,
Hardware/Software Interaction and Parallel Hardware
and Software Systems

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(<http://www.cs.columbia.edu/~martha/cv.pdf>) 
([https://scholar.google.com/citations?
user=gFb9vegAAAAJ&hl=en](https://scholar.google.com/citations?user=gFb9vegAAAAJ&hl=en)) 
[\(http://www.cs.columbia.edu/~martha/\)](http://www.cs.columbia.edu/~martha/)



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Assistant Professor

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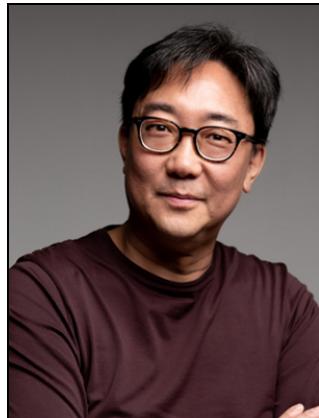
Interests: machine learning, computational biology, genomics.



([https://daklab.github.io/documents/david-knowles-](https://daklab.github.io/documents/david-knowles-resume.pdf)

 ([https://scholar.google.com/citations?](https://scholar.google.com/citations?user=N9QGV6YAAAAJ&hl=en)
user=N9QGV6YAAAAJ&hl=en)  [www](https://daklab.github.io/)

(<https://daklab.github.io/>)



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Senior Lecturer in Discipline

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Interests: Computer Science Education, Networks, Software Engineering, Cloud Computing



(<http://www.cs.columbia.edu/~jae/jae-cv.pdf>)  [www](http://www.cs.columbia.edu/~jae/)

(<http://www.cs.columbia.edu/~jae/>)



Malkin, Tal G (<http://www.cs.columbia.edu/~tal>)

Professor

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Interests: cryptography, complexity theory, security, randomized algorithms

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(https://engineering.columbia.edu/files/seas/content/faculty-cv/malkin-tal_cv-102019.pdf)



(<https://scholar.google.com/citations?user=c0yPSEYAAAAJ&hl=en>)



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McKeown, Kathleen

(<http://www.cs.columbia.edu/~kathy/>)

Henry and Gertrude Rothschilds Professor of Computer Science

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Interests: natural language processing, summarization, multimedia, digital libraries

(<http://www.cs.columbia.edu/~kathy/>)



(<http://www.cs.columbia.edu/~kathy/mckeown-vita.pdf>) (<https://scholar.google.com/citations?user=ujDhg2sAAAAJ&hl=en>)
(<http://www.cs.columbia.edu/~kathy/>)



Misra, Vishal (<http://www.cs.columbia.edu/~misra>)
Professor

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Interests: Networking, with particular attention to net neutrality and the economics of the Internet; modeling and performance evaluation; information theory

(<http://www.cs.columbia.edu/~misra>)



(<http://www.cs.columbia.edu/~misra/cv.pdf>) (<https://scholar.google.com/citations?user=9hPnkXsAAAAJ&hl=en>)
(<http://www.cs.columbia.edu/~misra>)



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Interests: Computer Vision, Computer Graphics,
Robotics, Human-Computer Interfaces

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(https://engineering.columbia.edu/files/seas/content/faculty-cv/nayar-shree_cv-102019.pdf)



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Professor

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Interests: operating systems, mobile computing, cloud computing, networking, security

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The Donovan Family Professor

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Interests: Algorithms, Complexity, Economics, Game Theory, Evolution, Neuroscience, Machine Learning
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cv/papadimitriou-christos_cv-102019.doc](https://engineering.columbia.edu/files/seas/content/faculty-cv/papadimitriou-christos_cv-102019.doc))

([https://scholar.google.com/citations?
user=rXYLXJMAAAJ](https://scholar.google.com/citations?user=rXYLXJMAAAJ))

(https://en.wikipedia.org/wiki/Christos_Papadimitriou)



Pe'er, Itsik G (<http://www.cs.columbia.edu/~itsik>)

Professor

- **Office:** 505 CSB
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Interests: Computational biology, genomics, bioinformatics

(<http://www.cs.columbia.edu/~itsik>)



(https://engineering.columbia.edu/files/seas/content/faculty-cv/peer-itshak_cv-102019.pdf)



(<https://scholar.google.com/citations?user=l3KIq-MAAAAJ&hl=en>)



(<http://www.cs.columbia.edu/~itsik>)



(<http://civil.columbia.edu/feniosky-pe%C3%B1-mora-scd>)

Pena-Mora, Feniosky (<http://civil.columbia.edu/feniosky-pe%C3%B1-mora-scd>)

Joint, Edwin Howard Armstrong Professor of Civil Engineering and Engineering Mechanics and Professor of Earth and Environmental Engineering and of Computer Science

- **Phone:** 2128543082
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Interests: Information technology support for collaboration in preparedness, response and recovery during disasters involving critical physical infrastructures;

change management, conflict resolution, sustainable construction, visualization, augmented reality, and processes integration during the design and development of large-scale civil engineering systems



(<http://civil.columbia.edu/feniosky-pe%C3%B1-mora-scd>)



Pitassi, Toniann (<https://www.cs.columbia.edu/~toni/>)

Jeffrey L. and Brenda Bleustein Professor of Engineering

- **Office:** 513 CSB
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(<mailto:tp2684@columbia.edu>)



(<https://www.cs.columbia.edu/~toni/>)



(<http://rayb.info>)

Ray, Baishakhi (<http://rayb.info>)

Associate Professor

- **Office:** 604 CEPSR
- **Phone:** 212-853-8451
- **Email:** rayb@cs.columbia.edu
(<mailto:rayb@cs.columbia.edu>)

Interests: Software Testing, AI based Software Engineering, Empirical Software Engineering, Program Analysis



(https://engineering.columbia.edu/files/seas/content/faculty-cv/ray-baishaki_cv-102019.pdf)



(<https://scholar.google.com/citations?user>)



(<http://rayb.info>)



Ross, Kenneth A (<http://www.cs.columbia.edu/~kar/>)

Professor

- **Office:** 510 CSB
- **Phone:** 212-853-8439
- **Email:** kar@cs.columbia.edu
(<mailto:kar@cs.columbia.edu>)

Interests: database systems, query processing,
declarative languages, genetics

(<http://www.cs.columbia.edu/~kar/>)



(http://www.cs.columbia.edu/~kar/Web_CV_Kenneth_Ross_2020.pdf)



(<https://scholar.google.com/citations?user=gv2S7xYAAAAJ&hl=en>)

(<http://www.cs.columbia.edu/~kar/>)



(<http://timroughgarden.org>)

Roughgarden, Tim (<http://timroughgarden.org>)

Professor

- **Office:** 410 Mudd
- **Phone:** 212-853-8474
- **Email:** tr@cs.columbia.edu
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Interests: Theory, Algorithms, Algorithmic Game Theory, Mechanism Design, Blockchains

 ([https://scholar.google.com/citations?
user=0lcJYs8AAAAJ&hl=en](https://scholar.google.com/citations?user=0lcJYs8AAAAJ&hl=en))



(<http://timroughgarden.org>)



(<http://www.cs.columbia.edu/~danr/>)

Rubenstein, Dan (<http://www.cs.columbia.edu/~danr/>)

Professor

- **Office:** 816 CEPSR
- **Phone:** 212-853-8477
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Interests: Computer networks, Network Robustness and Security, Multimedia networking, Performance Evaluation, Algorithms



([https://www.dropbox.com/s/y3203rssn5ldbgh/vita.pdf?
dl=1](https://www.dropbox.com/s/y3203rssn5ldbgh/vita.pdf?dl=1))

 ([https://scholar.google.com/citations?
dl=1](https://scholar.google.com/citations?))

user=FM3vRPgAAAAJ&hl=en) 
(<http://www.cs.columbia.edu/~danr/>)



Salleb-Aouissi, Ansaf
(<http://www.cs.columbia.edu/~ansaf/>)

Senior Lecturer in Discipline

- **Office:** 702 CEPSR
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Interests: Data Mining, Machine Learning, Frequent patterns, Classification, Ranking, Rule Learning

(<http://www.cs.columbia.edu/~ansaf/>)



(<http://www.cs.columbia.edu/~ansaf/>) 
(<https://scholar.google.com/citations?user>) 
(<http://www.cs.columbia.edu/~ansaf/>)



Schulzrinne, Henning G
(<http://www.cs.columbia.edu/~hgs/>)

Julian Clarence Levi Professor

- **Office:** 720 CEPSR
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Interests: Computer networks; multimedia systems; mobile and wireless systems; ubiquitous and pervasive

(<http://www.cs.columbia.edu/~hgs/>)

computing



(<http://www.cs.columbia.edu/~hgs/resume/resume.pdf>)



(<https://scholar.google.com/citations?user=6IHX8J4AAAAJ&hl=en>)



(<http://www.cs.columbia.edu/~hgs/>)



Servedio, Rocco A. (<http://www.cs.columbia.edu/~rocco>)

Professor

- **Office:** 517 CSB
- **Phone:** 212-853-8445
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Interests: computational complexity theory; randomness in computing; computational learning theory; sublinear-time algorithms

(<http://www.cs.columbia.edu/~rocco>)



(<http://www.cs.columbia.edu/~rocco/CV/Servedio-CV.pdf>)



(<https://scholar.google.com/citations?hl>)



(<http://www.cs.columbia.edu/~rocco>)



(<http://www.cs.columbia.edu/~simha>)

Sethumadhavan, Simha
(<http://www.cs.columbia.edu/~simha>)

Professor

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Interests: Computer Architecture; Security, VLSI design;
High Performance Computing

 (<http://www.cs.columbia.edu/~simha>)



(<http://www.cs.columbia.edu/~brian/>)

Smith, Brian A (<http://www.cs.columbia.edu/~brian/>)

Assistant Professor

- **Office:** 611 CEPSR
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Interests: Human-Computer Interaction, Accessibility,
Social Computing, Wearable Computing, Games,
Augmented Reality, Computer Vision

 (<http://www.cs.columbia.edu/~brian/Smith>) 
(<https://scholar.google.com/citations?user>)  (<http://www.cs.columbia.edu/~brian/>)



(<http://www.columbia.edu/~cs2035/>)

Stein, Clifford (<http://www.columbia.edu/~cs2035/>)

Professor, Joint with Industrial Engineering and Operations
Research

- **Office:** 306 Mudd
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(<mailto:cliff@cs.columbia.edu>)

Interests: algorithms, combinatorial optimization, network
algorithms, scheduling, theory of computation



(https://engineering.columbia.edu/files/seas/content/faculty-cv/stein_cliff_web_cv.pdf)



(https://scholar.google.com/citations?user=r49_E2cAAAAJ&hl=en)



(<http://www.columbia.edu/~cs2035/>)



(<http://www.cs.columbia.edu/~sal/>)

Stolfo, Salvatore J (<http://www.cs.columbia.edu/~sal/>)

Professor

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Interests: computer security; intrusion and anomaly
detection; embedded device security; data
mining/machine learning



(https://engineering.columbia.edu/files/seas/content/faculty-cv/stolfo-salvatore_cv-102019.pdf)

(<https://scholar.google.com/citations?hl=en&user=iLXSMP8AAAAJ>)

(<http://www.cs.columbia.edu/~sal/>)



(<http://www.stroustrup.com/>)

Stroustrup, Bjarne (<http://www.stroustrup.com/>)

Professor

- **Office:** 464 CSB
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Interests: distributed systems, design, programming techniques, software development tools, and programming languages



(<http://www.stroustrup.com/bio.html>)

(<https://scholar.google.com/citations?hl>)

(<http://www.stroustrup.com/>)



Vapnik, Vladimir (<http://www.clrc.rhul.ac.uk/people/vlad/>)

Professor

- **Phone:** 212-854-0003
- **Email:** vv2116@columbia.edu
(<mailto:vv2116@columbia.edu>)

Interests: machine learning, empirical inference,
statistical learning theory

(<http://www.clrc.rhul.ac.uk/people/vlad/>)

([https://scholar.google.com/citations?
user=vtegaJgAAAAJ&hl=en](https://scholar.google.com/citations?user=vtegaJgAAAAJ&hl=en))



[www
\(http://www.clrc.rhul.ac.uk/people/vlad/\)](http://www.clrc.rhul.ac.uk/people/vlad/)



Verma, Nakul (<http://www.cs.columbia.edu/~verma/>)

Senior Lecturer

- **Office:** 726 CEPSR
- **Phone:** 212-853-8471
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Interests: Machine Learning, High-Dimensional Statistics; Learning Theory; Non-Linear Representations of Data

(<http://www.cs.columbia.edu/~verma/>)



(https://engineering.columbia.edu/files/seas/content/faculty-cv/verma-nakul_cv-102019.pdf)



([https://scholar.google.com/citations?](https://scholar.google.com/citations))

hl=en&user=ufzrGe8AAAAJ) 
(<http://www.cs.columbia.edu/~verma/>)



Vondrick, Carl (<http://www.cs.columbia.edu/~vondrick/>)

YM Associate Professor of Computer Science

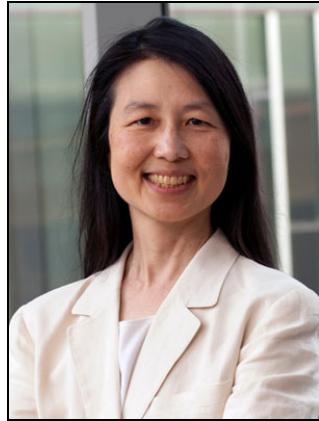
- **Office:** 618 CEPSR
- **Phone:** 212-853-8457
- **Email:** cv2428@columbia.edu
(<mailto:cv2428@columbia.edu>)

Interests: Computer Vision, Machine Learning, Robotics, Perception

(<http://www.cs.columbia.edu/~vondrick/>)

 (<http://www.cs.columbia.edu/~vondrick/cv.pdf>)
 ([https://scholar.google.com/citations?
user=3MzhkFIAAAAJ&hl=en](https://scholar.google.com/citations?user=3MzhkFIAAAAJ&hl=en)) 

(<http://www.cs.columbia.edu/~vondrick/>)



(<https://www.cs.columbia.edu/~wing/>)

Wing, Jeannette M (<https://www.cs.columbia.edu/~wing/>)

Executive Vice President for Research, Professor of Computer
Science

- **Office:** 1401 NWC
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Interests: Trustworthy AI, Security and Privacy,
Probabilistic Programming, Formal Methods, Data
Science



(<http://www.cs.cmu.edu/~wing/resume.html>)



([https://scholar.google.com/citations?
hl=en&user=2NjS1dUAAAAJ](https://scholar.google.com/citations?hl=en&user=2NjS1dUAAAAJ))



(<https://www.cs.columbia.edu/~wing/>)



(<http://www.eugenewu.net>)

Wu, Eugene (<http://www.eugenewu.net>)

Associate Professor

- **Office:** 421 Mudd
- **Phone:** 212-853-8475
- **Email:** ewu@cs.columbia.edu
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Interests: database, visualization, data cleaning, crowd
sourcing, interaction, data explanation



(<http://www.eugenewu.net/files/job/cv.pdf>)



(<https://scholar.google.com/citations?hl=en&user=JJ9AvbAAAAAJ>)



(<http://www.eugenewu.net>)



Yang, Junfeng (<http://www.cs.columbia.edu/~junfeng>)

Professor

- **Office:** 519 CSB
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(<mailto:junfeng@cs.columbia.edu>)

Interests: Operating Systems, Programming Languages,
Security, Distributed Systems, Software Engineering,
Networks

(<http://www.cs.columbia.edu/~junfeng>)



(https://engineering.columbia.edu/files/seas/content/faculty-cv/yang-junfeng_cv-102019.pdf)



(<https://scholar.google.com/citations?hl>)



(<http://www.cs.columbia.edu/~junfeng>)



Yannakakis, Mihalis

(<http://www.cs.columbia.edu/~mihalis>)

Percy K. and Vida L. W. Hudson Professor of Computer Science

- **Office:** 455 CSB
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Interests: algorithms, complexity theory, combinatorial optimization, databases, testing and verification
(<http://www.cs.columbia.edu/~mihalis>)



(https://engineering.columbia.edu/files/seas/content/faculty-cv/yannakakis-mihalis_cv-102019.pdf)



(https://scholar.google.com/citations?user=_pPy-pAAAAAJ&hl=en)



(<http://www.cs.columbia.edu/~mihalis>)

Yu, Zhou (<http://www.cs.columbia.edu/~zhouyu/>)

Associate Professor

- **Office:** 723 CEPSR
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Interests: Natural language processing, Multimodal Analysis, Machine Learning, Human-Computer Interaction
(<http://www.cs.columbia.edu/~zhouyu/>)



([https://drive.google.com/file/d/1fNRV9c4ml9lcT7D7EkKfbnXL4amDanQo/view?](https://drive.google.com/file/d/1fNRV9c4ml9lcT7D7EkKfbnXL4amDanQo/view?usp=sharing)

usp=sharing)

(<http://www.cs.columbia.edu/~zhouyu/>)



(<http://www.henryyuen.net>)

Yuen, Henry (<http://www.henryyuen.net>)

Assistant Professor

- **Office:** 511 CSB
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(<mailto:hsy2116@columbia.edu>)

Interests: quantum computation, quantum information, complexity theory, cryptography



(<http://www.henryyuen.net/files/hyuencv.pdf>)

(<http://www.henryyuen.net>)



(<https://www.cs.columbia.edu/~zemel/>)

Zemel, Richard (<https://www.cs.columbia.edu/~zemel/>)

Trianthe Dakolias Professor of Engineering and Applied Science
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([https://scholar.google.com/citations?
user=iBeDoRAAAAJ&hl=en](https://scholar.google.com/citations?user=iBeDoRAAAAJ&hl=en))

(<http://www.cs.columbia.edu/~zemel/>)



(<http://www.cs.columbia.edu/~cxz/>)

Zheng, Changxi (<http://www.cs.columbia.edu/~cxz/>)

Associate Professor

- **Office:** 603 CEPSR
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- **Email:** cxz@cs.columbia.edu
(mailto:cxz@cs.columbia.edu)

Interests: Computer graphics, physically-based multi-sensory animation, computational acoustics, scientific computing, robotics



([https://engineering.columbia.edu/files/seas/content/faculty-
cv/zheng-changxi_cv-102019.pdf](https://engineering.columbia.edu/files/seas/content/faculty-cv/zheng-changxi_cv-102019.pdf))

([https://scholar.google.com/citations?
user=-0rEuLgAAAAJ&hl=en](https://scholar.google.com/citations?user=-0rEuLgAAAAJ&hl=en))

(<http://www.cs.columbia.edu/~cxz/>)



(<https://www.cs.columbia.edu/~xia>)

Zhou, Xia (<https://www.cs.columbia.edu/~xia>)

Associate Professor

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Interests: Mobile computing, wireless networking and systems, human-computer interaction, mobile health



(<https://www.cs.columbia.edu/~xia/media/xz-cv.pdf>)



(<https://www.cs.columbia.edu/~xia>)

Faculty Emeritus and Former Professors



(<http://www.cs.columbia.edu/~aho>)

Aho, Alfred V. (<http://www.cs.columbia.edu/~aho>)

Professor Emeritus, Lawrence Gussman Professor of Computer Science

Interests: compilers, software engineering, algorithms, quantum computing



(<http://www.cs.columbia.edu/~aho>)



Allen, Peter Kirby (<http://www.cs.columbia.edu/~allen>)

Professor Emeritus

Interests: Robotics, Vision, 3-D modeling



(http://www.cs.columbia.edu/~allen/allen_cv_2020.pdf)



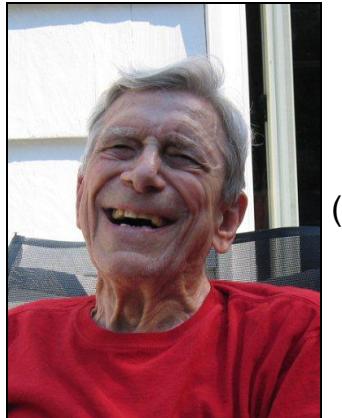
(<https://scholar.google.com/citations?>

(<http://www.cs.columbia.edu/~allen>)

User=Gs5F2jYAAAAJ&hl=en)



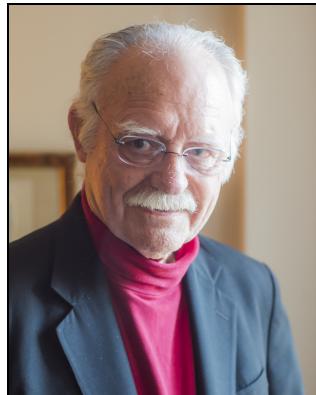
(<http://www.cs.columbia.edu/~allen>)



Bashkow, Theodore ()

November 16, 1921 - December 23, 2009





Coffman, Ed (<https://www.cs.columbia.edu/~coffman>)

Professor Emeritus

Interests: Probabilistic Analysis of Algorithms and Networks; Stochastic Analysis: Internet Congestion, Sensor Systems, Cognitive Radio, Molecular Computing



(<https://www.cs.columbia.edu/~coffman>)



Galil, Zvi (<http://www.cs.columbia.edu/~galil/>)

Dean Emeritus of the Faculty of Engineering and Applied Science
and Julian Clarence Levi Professor Emeritus of Mathematical
Methods and Computer Science



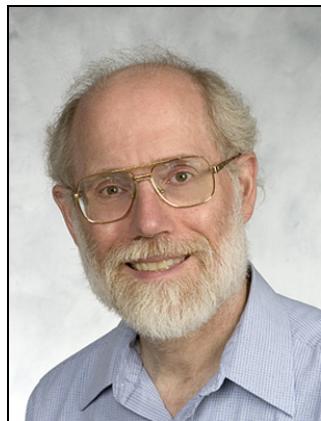
(<http://www.cs.columbia.edu/~galil/>)



(<http://www.cs.columbia.edu/~gross>)



(<http://www.cs.columbia.edu/~gross>)



(<http://davidsjohnson.net/>)

IN MEMORIAM



(<http://davidsjohnson.net/>)



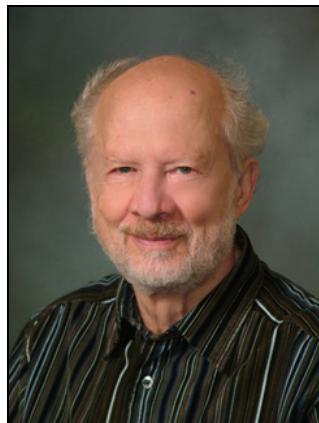
(<http://www.cs.columbia.edu/~nowick/>)



(<http://www.cs.columbia.edu/~nowick/nowick->



(<http://www.cs.columbia.edu/~nowick/>)



(<http://www.cs.columbia.edu/~traub/>)



(<http://www.cs.columbia.edu/2015/joseph-traub-in-memoriam/>)



(<http://www.cs.columbia.edu/~traub/>)



Unger, Stephen H (<http://www.cs.columbia.edu/~unger/>)

Professor Emeritus

Interests: asynchronous circuits and systems, digital logic, technology and society, engineering ethics

IN MEMORIAM

(<http://www.cs.columbia.edu/~unger/>)



Waltz, David (<http://www.cs.columbia.edu/~waltz/>)

May 28, 1943 - March 22, 2012

Interests: AI; machine learning and applications to power grid, epilepsy prediction, and natural language processing



IN MEMORIAM

(<http://www.cs.columbia.edu/~waltz/>)



(<http://www.cs.columbia.edu/~waltz/>)



Wozniakowski, Henryk
[\(http://www.cs.columbia.edu/~henryk/\)](http://www.cs.columbia.edu/~henryk/)
Professor Emeritus

www

(<http://www.cs.columbia.edu/~henryk/>)

(<http://www.cs.columbia.edu/~henryk/>).



Yemini, Yechiam (<http://www.cs.columbia.edu/~yemini/>)
Professor Emeritus
Interests: Biological networks and computer networks

www

(<http://www.cs.columbia.edu/~yemini/>)

(<http://www.cs.columbia.edu/~yemini/>).



Find the COVID-19 Resource Guide here (<https://news.columbia.edu/news/update-covid-19>-

university-guidance).

Computer Science at Columbia University

The computer science department advances the role of computing in our lives through research and prepares the next generation of computer scientists with its academic programs.

Find out more about the department here ([/about](#)).

Upcoming Events

SEP
26

CSB 480

Theory Student Seminar
Tuesday 12:30 pm

SEP
29

Semirandom CSP refutation via Kikuchi matrices: Algorithms, Certificates, and Connections
Theory Lunch

Friday 12:30 pm

CS conference room (CSB453)
Peter Manohar, Carnegie Mellon University

OCT
03

CSB 480

Theory Student Seminar
Tuesday 12:40 pm

OCT
06

Theory Lunch - Sunoo Park
Theory Lunch

Friday 12:30 pm

CS conference room (CSB453)

[View All >> \(https://www.cs.columbia.edu/calendar/\)](https://www.cs.columbia.edu/calendar/)

In the News

MIT Technology Review

(<https://www.cs.columbia.edu/2023/the-computer-scientist-who-hunts-for-costly-bugs-in-crypto-code/?redirect=0c99d322ac4a621f0cb1bf31ffea64ba>)



(<https://www.cs.columbia.edu/2022/this-self-aware-robot-taught-itself-how-to-control-its-own-body/?redirect=2275dd724f7cd014090b808bf9f6c3c9>)

The Computer Scientist Who Hunts for Costly Bugs in Crypto Code (<https://www.cs.columbia.edu/2023/the-computer-scientist-who-hunts-for-costly-bugs-in-crypto-code/?redirect=0c99d322ac4a621f0cb1bf31ffea64ba>)

(Ronghui Gu)

This Self-Aware Robot Taught Itself How to Control Its Own Body (<https://www.cs.columbia.edu/2022/this-self-aware-robot-taught-itself-how-to-control-its-own-body/?redirect=2275dd724f7cd014090b808bf9f6c3c9>)

(Carl Vondrick)



Columbia Awarded \$185 Million in Patent-Infringement Lawsuit (<https://www.cs.columbia.edu/2022/columbia-awarded-185-million-in-patent-infringement-lawsuit/?redirect=00ff51e39830d7b7a1521ed64b5174b7>)
(Salvatore Stolfo)

(<https://www.cs.columbia.edu/2022/columbia-awarded-185-million-in-patent-infringement-lawsuit/?redirect=00ff51e39830d7b7a1521ed64b5174b7>)



Mathematicians Transcend Geometric Theory of Motion (<https://www.cs.columbia.edu/2021/mathematicians-transcend-geometric-theory-of-motion/?redirect=5673fa940ca6c0bede69f18e4810731e>)
(Andrew Blumberg)

(<https://www.cs.columbia.edu/2021/mathematicians-transcend-geometric-theory-of-motion/?redirect=5673fa940ca6c0bede69f18e4810731e>)



Auto-scans of phones would violate data privacy, say security experts (<https://www.cs.columbia.edu/2021/auto-scans-of-phones-would-violate-data-privacy-say-security-experts/?redirect=2ed01b3c9d786fd4c2557ead92be01b1>)
(Steven Bellovin)

(<https://www.cs.columbia.edu/2021/auto-scans-of-phones-would-violate-data-privacy-say-security-experts/?redirect=2ed01b3c9d786fd4c2557ead92be01b1>)

Press Mentions



How The Morning Show Rewrites the Notorious 2014 Sony Hack
(<https://www.cs.columbia.edu/2023/how-the-morning-show-rewrites-the-notorious-2014-sony-hack/?redirect=01cb778274fb38a72826af84056ab79>)

How The Morning Show Rewrites the Notorious 2014 Sony Hack
(<https://www.cs.columbia.edu/2023/how-the-morning-show-rewrites-the-notorious-2014-sony-hack/?redirect=01cb778274fb38a72826af84056ab79>)

(Suman Jana)



Your Résumé Isn't the Only Thing Popular Job Sites Evaluate
(<https://www.cs.columbia.edu/2023/your-resume-isnt-the-only-thing-popular-job-sites-evaluate/?redirect=f25fb139a595563c5d6b2ebf335c354a>)

Your Résumé Isn't the Only Thing Popular Job Sites Evaluate
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Yes, AI Models Can Get Worse over Time
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(Kathleen McKeown, Vishal Misra)



Here's how AI is being used to unlock secrets still hidden in the human brain (<https://www.cs.columbia.edu/2023/heres-how-ai-is-being-used-to-unlock-secrets-still-hidden-in-the-human-brain/?...>)

(Richard Zemel)

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Does AI in NYC need restrictions? Officials hold closed-door meeting to discuss

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(Jeannette Wing)

(<https://www.cs.columbia.edu/2023/does-ai-in-nyc-need-restrictions-officials-hold-closed-door-meeting-to-discuss...>)

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hold-closed-door-meeting-to-

discuss/?

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