Jeffrey Ullman

Stanford Warren Ascherman Professor of Engineering, Emeritus
Computer Science

Bio

BIO

Jeff Ullman is the Stanford W. Ascherman Professor of Engineering (Emeritus) in the Department of Computer Science at Stanford and CEO of Gradiance Corp. He received the B.S. degree from Columbia University in 1963 and the PhD from Princeton in 1966. Prior to his appointment at Stanford in 1979, he was a member of the technical staff of Bell Laboratories from 1966-1969, and on the faculty of Princeton University between 1969 and 1979. From 1990-1994, he was chair of the Stanford Computer Science Department. Ullman was elected to the National Academy of Engineering in 1989, the American Academy of Arts and Sciences in 2012, and has held Guggenheim and Einstein Fellowships. He has received the Sigmod Contributions Award (1996), the ACM Karl V. Karlstrom Outstanding Educator Award (1998), the Knuth Prize (2000), the Sigmod E. F. Codd Innovations award (2006), the IEEE von Neumann medal (2010), and the NEC C&C Foundation Prize (2017).

He is the author of 16 books, including books on database systems, compilers, automata theory, and algorithms.

ACADEMIC APPOINTMENTS

• Emeritus Faculty, Acad Council, Computer Science

Teaching

COURSES

2020-21

• Bridging Policy and Tech Through Design: CS 184, PUBLPOL 170 (Spr)

2019-20

• Bridging Policy and Tech Through Design: CS 184 (Spr)

2018-19
• Project in Mining Massive Data Sets: CS 341 (Spr)

STANFORD ADVISEES

Orals Chair

Rex Ying

Publications

PUBLICATIONS

• Scaling Cryptographic Techniques by Exploiting Data Sensitivity at a Public Cloud
  Mehrotra, S., Sharma, S., Ullman, J. D., ACM
  ASSOC COMPUTING MACHINERY 2019: 165–67

• Partitioned Data Security on Outsourced Sensitive and Non-sensitive Data
  Mehrotra, S., Sharma, S., Ullman, J. D., Mishra, A., IEEE
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• SharesSkew: An algorithm to handle skew for joins in MapReduce
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- Optimizing Multiway Joins in a Map-Reduce Environment *IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING*
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- Cluster Computing, Recursion and Datalog *1st International Workshop on Datalog Reloaded (Datalog)*
  Afrati, F. N., Borkar, V., Carey, M., Polyzotis, N., Ullman, J. D.
  SPRINGER.2011: 120–144

- Using views to generate efficient evaluation plans for queries *JOURNAL OF COMPUTER AND SYSTEM SCIENCES*
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