# JON B WEISSMAN

CURRICULUM VITAE
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## EDUCATION

Ph.D., Computer Science, University of Virginia, 1995.

M.S., Computer Science, University of Virginia, 1989.

B.S., Applied Mathematics and Computer Science, Carnegie-Mellon University, 1984.

## PROFESSIONAL EXPERIENCE

| | |
|---|---|
| Professor, Computer Science | Univ. of Minnesota (Summer 2012 to date) |
| Associate Professor, Computer Science | Univ. of Minnesota (Fall 2003 to Spring 2012) |
| Visiting Researcher and Distinguished Visitor | National e-Science Center, University of Edinburgh (2007-2008) |
| Assistant Professor, Computer Science | Univ. of Minnesota (1999-2003) |
| Assistant Professor, Computer Science | Univ. of Texas San Antonio (1995-1999) |
| Member of Technical Staff | Mitre Corporation, McLean Virginia (1989-1991) |
| Software Engineer | Software A&E, Arlington Virginia (1984-1987) |

## PROFESSIONAL ACTIVITIES

Tau Beta Engineering Honor Society, Member ACM, IEEE Senior Member

## ACADEMIC AWARDS AND HONORS

- **Best paper nominee**, IEEE International Conference on Cloud Engineering (IC2E) 2015.
- **Best paper**, IEEE Grid conference, 2009.
- **Honorary Fellow**, College of Science and Engineering, University of Edinburgh, 2007-2008.
- **IEEE Senior Member**, promoted 2003.
- **Success Story**, ARL HPC (HPCMO), Virtual Data Grid Project, 2002.
- **CAREER Award**, National Science Foundation, 1996.
- **Supercomputing Award** for "High-Performance Computing with Legion", SC, 1995.
- **Teaching Award**, University of Virginia Teaching Medal of Excellence, 1995.

## LITIGATION SUPPORT EXPERIENCE

**Testifying Expert**

- client: Faegre Baker Daniels LLP, case: ICN Acquisition, LLC vs. ipDataTel, LLC, area: home alarm systems and networks, IPR declarations, represented: petitioner status: active, 2019. Likely expert witness in litigation.
- client: Cooley LLP, case: Vaporstream Inc vs. Snapchat Inc, area: mobile computing, project: patent analysis, expert reports, *deposition*, represented: defense, status: stay, 2018.
- Thompson & Knight LLP, SEVEN NETWORKS, LLC, vs. GOOGLE LLC, area: mobile computing, project: patent analysis, claim construction, represented: plaintiff, status: finished, 2018.
- client: Fenwick & West LLP, case: IBM vs. Groupon, area: security, web, client-server, project: patent analysis, expert reports, *deposition*, **testifying**, represented: defense, status: finished, 2017-2018.
- client: DLA Piper LLP, WORKSPOT, Inc. vs. CITRIX SYSTEMS, INC., area: security, IPR declaration, *deposition*, represented: petitioner, status: active.
- client: Keker, Van Nest & Peters LLP, BMC SOFTWARE, INC., vs. CHERWELL SOFTWARE. LLC, area: software systems, IPR declaration, represented: petitioner, status: active.
- client: Cooley LLP, case: Sound View Inc vs. Facebook, area: databases, web, project: patent analysis, expert reports, *deposition*, represented: defense, status: settled, 2018.
- client: Fenwick & West LLP, case: IBM vs. Groupon vs. IBM, area: security, IPR declaration, represented: patent owner, status: finished, 2017.
- client: Finnegan, Henderson, Farabow, Garrett & Dunner, LLP, area: Internet applications, IPR declaration, represented: petitioner, status: finished, 2017. No associated litigation.
- client: McDonnell Boehnen Hulbert & Berghoff LLP, case: Trading Technologies Inc., area: distributed systems, project: Patent Examination, declaration, represented: patent owner, status: finished, **examiner interview**, 2016.
- client: Fenwick & West LLP, case: Actifio vs. Delphix, area: cloud storage, project: patent analysis, expert reports, represented: defense, status: finished (settled prior to trial), 2016.
- client: Fisch Sigler LLP, case: Kaavo vs. Amazon and Tier3, area: cloud computing, IPR declarations, *deposition*, represented: petitioner, status: finished, 2016.
- client: Morrison and Foerster LLP, case: Ancora vs. Apple Inc, area: security, CBM declaration, represented: petitioner, status: finished (settled prior to trial), 2016.
- client: Finnegan, Henderson, Farabow, Garrett & Dunner, LLP, area: mobile computer systems, 3 IPR declarations, *two depositions*, represented: petitioner, status: finished, 2016. No associated litigation.
- client: Cooley LLP, case: BMC Inc vs. ServiceNow Inc, area: computer systems, project: patent analysis, expert reports, *deposition*, represented: defense, status: finished (settled prior to trial), 2016.
- client: Fish & Richardson P.C., case: Ericsson Inc vs. Apple Inc, area: mobile systems, project: patent analysis, represented: defense, status: finished, 2015.
- client: Morrison and Foerster LLP, case: Good Technology Inc vs. Airwatch Inc, area: mobile systems, project: patent analysis, 3 expert reports, *deposition*, represented: defense, status: finished (settled prior to trial), 2015.
- client: Troutman Sanders, Intellectual Ventures I LLC vs. Capitol One Financial Corp, claim construction declarations, area: mobile interfaces, represented: defense, status: finished, 2015.
- client: Bryan Cave LLP, case: Symantec vs. Veeam Software Corporation, area: storage systems, IPR declaration, *deposition*, represented: patent owner, status: finished, 2014.

- client: Finnegan, Henderson, Farabow, Garrett & Dunner, LLP, case: Clouding IP vs. Rackspace, area: storage systems, project: patent analysis, IPR and CBM declarations, *two depositions*, represented: petitioner, status: finished, 2014.
- client: Sidley Austin LLP, case: Motorola vs. Microsoft, area: mobile instant messaging, project: software patent analysis, expert reports, *deposition*, represented: defense, status: finished (settled prior to trial), 2011-2012.
- client: Baker & McKenzie LLP, case: WMR e-PIN vs. Wells Fargo, area: Internet e-commerce applications, project: software, patent analysis, expert reports, *deposition*, **testifying**, represented: defense, status: closed, 2008-2009.

**Consulting Expert**

- client: William G. Osborne, Esq., Superior Edge vs. Monsanto, area: distributed software, project: code analysis, report, represented: plaintiff, status: closed, 2015.
- client: Arnold & Porter LLP, Rosebud v. Adobe, area: distributed software, project: patent analysis, represented: defense, status: closed, 2015.
- client: Jones Day, Summit 6 vs. Apple, area: web technologies, project: patent analysis, represented: defense, status: closed, 2014.
- client: Ropes & Gray LLP, case: Parallel Iron vs. EMC, area: storage systems, project: patent analysis, represented: defense, status: closed, 2012-2013.
- client: Bridges & Mavrakakis LLP, case: Nokia/HTC vs. Apple, area: operating systems, project: software, patent analysis, represented: defense, status: closed, 2011.

**Professional references**

- Phil Haack: (Fenwick & West LLP): www.fenwick.com/professionals/pages/philliphaack.aspx
- Priya Viswanath: (Cooley LLP): www.cooley.com/pviswanath
- Diek Van Nort (Morrison & Foerster LLP): www.mofo.com/people/v/van-nort-diek-o
- Joshua Goldberg (Finnegan LLP): http://www.finnegan.com/
- Jeffrey Totten (Finnegan LLP): http://www.finnegan.com/JeffreyTotten/
- James Patterson (Patterson Thuente LLP): http://www.ptslaw.com

## MAJOR RESEARCH AFFILIATIONS

1. **Digital Technology Center, University of Minnesota, Investigator**. The Digital Technology Center (DTC)'s goal is to create, promote, and coordinate cooperative interdisciplinary advanced technology initiatives between University, government, industry, and to serve as a point of entry into research and development partnerships with various partners. The DTC is a hub of innovation and excellence at the University of Minnesota in the digital technologies serving the industrial, educational, and public needs of the state of Minnesota and the nation. The DTC integrates research, education, and outreach in digital design, computer graphics and visualization, telecommunications, intelligent data storage and retrieval systems, multimedia, datamining, scientific computation, and other digital technologies. See `www.dtc.umn.edu`.

2. **CRIS:Center for Research in Intelligent Storage, University of Minnesota, Investigator**. The Center for Research in Intelligent Storage (CRIS) is a partnership between universities and industry, featuring high-quality, industrially relevant fundamental research, strong industrial support of collaboration in research and education, and direct transfer of university developed ideas, research results, and technology to U.S. industry. Research areas include storage and memory technologies, big data, cloud computing, backup/restore, data deduplication, and file systems. See `cris.cs.umn.edu`.

## GRANT FUNDING

1. **Co-Principal Investigator**, CSR: Small: Location, location, location (L3): Support for Geo-Centric Applications, NSF, 2016-2019, $528K (PI Chandra).

2. **Co-Principal Investigator**, II-NEW: One Cloud Does Not Fit All: Minnesota Integrated cloud Systems research Testbed (MIST), NSF, 2013-2016, $350K, (PI DU, co-PIs Chandra, Zhang).

3. **Principal Investigator**, An Integrated Middleware Framework to Enable Extreme Collaborative Science, DOE, 2012-2015, $342K UMn share, collaborative with Rutgers and University of Chicago.

4. **Principal Investigator**, CSR: Medium: Enriching Mobile User Experience Through The Cloud, NSF, 2012-2015, $700K (co-PI Chandra, Karypis).

5. **Principal Investigator**, DC: Small: One Thousand Points of Light: Accelerating Data-Intensive Applications By Proxy, NSF, 2009-2012, $482K, including REU supplement $36K (co-PI Chandra).

6. **Co-Investigator**, Collaborative Research: A Multi-University I/UCRC Center on Intelligent Storage, NSF, 2009-2014, $400K, (DU PI, many co-PIs).

7. **Principal Investigator**, Grid Computing for E-Science, National E-Science Centre, University of Edinburgh, 2007-2008, $52K.

8. **Co-Investigator**, ePCRN: Electronic Primary Care Research Network, NIH Roadmap, 2006-2008, $50K (CSE share annual), (Peterson PI, Delaney PI, several co-investigators).

9. **Co-Principal Investigator**, ITR: A Data Mining and Exploration Middleware for Grid and Distributed Computing, NSF ITR, 2003-2007, $1.5M, (Kumar PI, Weissman co-PI).

10. **Investigator**, Intelligent Storage Consortium, DTC, 2003-2009, $250K (Du PI, Weissman, Lilja, Tewfik, Kim co-PIs).

11. **Investigator**, MRI: Development of a System for Interactive Analysis and Visualization of Multi-Terabyte Datasets, NSF MRI, 2004-2006, $300K (Woodward PI).

12. **Contributor**, NIH NCRR, Intelligent Data Storage Support for Microarray data, equipment, (Mayo Clinic PI, with Du), 2004, $222K.

13. **Co-Principal Investigator**, Intelligent Storage Consortium - Engenio, Engenio Information Technologies, 2004-2005, $45K, (Du PI, Weissman co-PI).

14. **Principal Investigator**, Making Parallel Computing Easy, Department of Energy (Office of Advanced Scientific Computing Research), 2002-2007, $250K, sole PI.

15. **Principal Investigator**, A Framework for Adaptive Grid Services, NSF ACR-CNS, 2003-2008, $240K, sole PI.

16. **Principal Investigator**, Towards Community Services: Putting Parallel Network Services On-line, NSF EIA-NGS Program, 2002-2003, $30K, sole PI.

17. **Co-Principal Investigator**, Collaborative Data Analysis and Visualization, NSF EIA Research Resources (Collaborative Research), 2002-2005, $500K (incl. 2 RA's shared with Du), (Woodward PI, Weissman, Du, Retzel, Wetherby co-PIs.)

18. **Investigator**, Metacomputing: Enabling Technologies and the Virtual Data Grid, Army High Performance Computing and Research Center (AHPCRC), 2000-2004, $260K, original contributor to center proposal.

19. **Principal Investigator**, Resource Management for Parallel and Distributed Systems, NSF CAREER award ACR, 1996-2001, $200K, REU supplement $5K (2000), sole PI.

20. **Principal Investigator**, Smart File Objects: An Application-directed File Access Paradigm, Texas Advanced Research Program ARP-010115-226, 1997-2000, $106K, sole PI.

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