

Douglas S. J. De Couto

Ph.D. Candidate in the Parallel and Distributed Operating Systems Group, M.I.T. Laboratory for Computer Science, graduating June 2004. Financial Technology Option, M.I.T. Sloan School.

Full CV: <http://www.pdos.lcs.mit.edu/~decouto/cv>

- Contact** Email: decouto@lcs.mit.edu, Work: (617) 253 7328, Residence: (617) 375 7842
- Education** MASSACHUSETTS INSTITUTE OF TECHNOLOGY Cambridge, MA
Master of Engineering in Electrical Engineering and Computer Science, Bachelor of Science in Computer Science and Engineering, Minor in Philosophy, June 1998.
Undergraduate GPA: 5.0/5.0, Graduate GPA: 4.9/5.0
M.Eng. Thesis: *Instrumentation for Rapidly Acquiring Pose-Imagery*.
- THE HOTCHKISS SCHOOL Lakeville, CT
Graduated Cum Laude, June 1993, with prizes in Physics, Drama, Latin, and Chemistry.
- Research** COMPAQ WESTERN RESEARCH LABORATORY Palo Alto, CA
June 2001–August 2001
Summer intern. Implemented and measured the performance of dynamic voltage scaling algorithms for reducing the power consumption of the Itsy pocket computer.
- M.I.T. LABORATORY FOR COMPUTER SCIENCE Cambridge, MA
January 2000–Present
Graduate student in the Parallel and Distributed Operating Systems Group. Designing, implementing, and deploying new systems for large-scale wireless ad hoc networking.
- June 1996–June 1998
Graduate student in the Computer Graphics Group. Designed and wrote software for an automated “pose-image” device, which collects digital imagery and navigation data.
- Teaching** MASSACHUSETTS INSTITUTE OF TECHNOLOGY Cambridge, MA
Head teaching assistant for 6.170, Laboratory in Software Engineering, Fall 2002.
Teaching assistant for 6.033, Computer System Engineering, Spring 2000.
Teaching assistant for 6.170, Laboratory in Software Engineering, Fall 1999.
- Employment** INDEPENDENT CONSULTING SERVICES Sept.–Oct. 1998, Hamilton, Bermuda
IT consultant. Worked with Windows NT, Microsoft Access, and SQL.
- ORBIS INVESTMENT ADVISORY LIMITED January 1997, London
Member of the IT department. Implemented a system to support analyst activities.
- Publications**
1. D. De Couto, D. Aguayo, J. Bicket, and R. Morris. “A High-Throughput Path Metric for Multi-Hop Wireless Routing.” *Proc. ACM MobiCom*, September 2003.
 2. D. De Couto, D. Aguayo, B. Chambers, and R. Morris. “Performance of Multihop Wireless Networks: Shortest Path is Not Enough.” *HotNets-I*, October 2002.
 3. J. Li, C. Blake, D. S. J. De Couto, H. Lee, and R. Morris. “Capacity of Ad Hoc Wireless Networks.” *Proc. ACM MobiCom*, July 2001. pp. 61–69.
 4. J. Li, J. Jannotti, D. S. J. De Couto, D. R. Karger, and R. Morris. “A Scalable Location Service for Geographic Ad Hoc Routing.” *Proc. ACM MobiCom*, August 2000. pp. 120–130.
 5. R. Morris, J. Jannotti, F. Kaashoek, J. Li, and D. S. J. De Couto. “CarNet: A Scalable Ad Hoc Wireless Network System.” *SIGOPS European Workshop*, September 2000.
 6. M. Bosse, D. De Couto, and S. Teller. “Eyes of Argus: Georeferenced Imagery in Urban Environments.” *GPS World*, April 2000. pp. 20–30.
- Scholarships** Sir Harry D. Butterfield Undergraduate Scholarship (4 years), 1993.
Sir John W. Cox Graduate Scholarship (4 years), 1997.

Leadership

M.I.T. Varsity Sailing, M.V.P. 1993–94, 1994–95, and 1995–96. Captain 1996–97.
M.I.T. Nautical Association, Commodore 1994–96. Treasurer 2000–2001.
M.I.T. Committee on Campus Race Relations, 2000–2003.
Co-Program Chair, Second Student Oxygen Workshop, July 2002.

Background

Citizen of Bermuda. F-1 Visa, British passport. Sailing Fanatic (dinghy and ocean racing).