

Joseph Dilip Antony

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- EDUCATION
- ◇ **University of California at Berkeley**
4th year Ph.D. student in Computer Science
Expected completion : May 2009
GPA: 3.97 (at start of Spring 2008)
 - ◇ **Management of Technology Certificate, Haas School of Business**
Expected completion : December 2008
 - ◇ **University of California at Berkeley**
M.S. in Computer Science, May 2006
GPA: 4.0
 - ◇ **Indian Institute of Technology, Madras**
B.Tech. in Computer Science and Engineering, August 2004
GPA = 9.79/10
2nd highest GPA among all B.Tech. branches (425 students)
- RESEARCH INTERESTS
- ◇ New Internet Architectures - Design, modeling, economic analysis and supporting legacy applications
 - ◇ Data Center Networking Layer - Efficient placement of middleboxes and guaranteeing policy enforcement
- ACADEMIC ACHIEVEMENTS
- ◇ Vodafone-US Foundation Fellowship, 2005 and 2004
 - ◇ University of California at Berkeley Fellowship, 2004
 - ◇ 5th rank in the Kerala State Engineering Entrance Examination 2004 (among more than 25000 candidates)
 - ◇ Jawaharlal Nehru Center for Advanced Scientific Research Summer Fellowship 2003
 - ◇ Indian Academy of Science Summer Fellowship 2002
 - ◇ Gold Medalist, Indian National Physics Olympiad 2000 (Top 35 out of 20923 candidates)
 - ◇ All India 4th (97% marks) in class XII high school examination conducted by the Central Board of Secondary Education, India, 2000
 - ◇ 3rd rank, Regional Mathematics Olympiad 1999
 - ◇ National Talent Search Examination (NTSE) Scholar
- SELECTED PUBLICATIONS
- ◇ Dilip Joseph, Arsalan Tavakoli, Ion Stoica, *A Policy-aware Switching Layer for Data Centers*, in ACM SIGCOMM, 2008.
 - ◇ Dilip Joseph, Nikhil Shetty, John Chuang, Ion Stoica, *Modeling the Adoption of New Network Architectures*, Conference on emerging Networking Experiments & Technologies, 2007.
 - ◇ Sharad Agarwal, Venkata N. Padmanabhan, Dilip Joseph, *Addressing Email Loss with Sure-Mail: Measurement, Design, and Evaluation*, in USENIX Technical Conference, 2007.
 - ◇ Dilip Joseph, Jayanthkumar Kannan, Ayumu Kubota, Karthik Lakshminarayanan, Ion Stoica, Klaus Wehrle, *OCALA: An Architecture for Supporting Legacy Applications over Overlays*, in Networked Systems Design and Implementation, 2006.

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- WORK EXPERIENCE**
- ◇ **Fall 2006 : Teaching Assistant**, “Introduction to Communication Networks”, University of California, Berkeley
Designed, prototyped and administered a new set of student class projects. Received a very high overall teaching effectiveness score of 4.8/5 (based on 21 responses).
 - ◇ **Summer 2006 : Intern, Rinera Networks**, a P2P startup in San Mateo, CA
Collaborated with engineering team to define specifications for a core system component. Successfully designed and implemented the component, which is currently in active use.
 - ◇ **Summer 2005 : Intern, Microsoft Research**, Redmond, WA
Worked with two researchers to design and implement ‘SureMail’, a system to increase the reliability of email delivery.
 - ◇ **September 2004 - February 2005 : Finder/Writer, MIT Technology Review**
Identified important research papers from recent conferences and wrote short synopses. Developed skills in tailoring technical articles to interest a lay audience.
 - ◇ **Summer 2003 : Intern, IBM Research**, New Delhi
Designed and implemented an autonomic policy management system for E-governance applications.
 - ◇ **Summer 2002 : Intern, Tata Consultancy Services**, Hyderabad
Implemented a neural networks based model to predict the secondary structure of proteins.
- LEADERSHIP**
- ◇ **Core Group Member, Shaastra 2003**, IIT Madras’ national technical festival
Led a team of two student coordinators and their volunteers to maintain Shaastra’s online infrastructure. Auditors from ISO 9001:2000 certification firm TUV India praised the user feedback and issue tracking website we implemented as the most comprehensive system they had ever seen.
 - ◇ **President, Genesis, IIT Madras Catholic Student Community, 2003-2004**
Played a lead role in organizing our annual group retreats (20-30 participants), orphanage visits and festival celebrations. Launched the group website and mailing list.
 - ◇ **School Captain, 1999-2000**, Bhavan’s Vidya Mandir Girinagar, Cochin, India
- ACTIVITIES & HOBBIES**
- ◇ **IIT Madras Alumni Association**
 - Election commissioner for Bay Area chapter 2008 elections.
 - Member of North America 2007 election committee.
 - Webmaster and email communications manager for Bay Area chapter. Created custom email blast software that integrates with the alumni directory.
 - ◇ **Computer Science Graduate Students Association, UC Berkeley**
 - Industry Liaison Committee Member : 2008-2009
 - Webmaster : 2005-2009
 - ◇ **Systems Lunch Organizer 2005-2006**, Computer Science Dept., UC Berkeley : Invited and introduced speakers. Publicized talks.
 - ◇ **Designing, creating and maintaining web applications**
 - *www.accountdiary.com* : Keep track of personal expenses.
 - *www.whatamigratefulfor.com* : Record the many things you are grateful for in life.