

# Sonali Somyalipi

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## Education

Computer Science Ph.D Student, **University of California, Santa Cruz**,  
September 2011 - Present  
Advisor: Ethan L. Miller

Bachelor of Engineering , Computer Science and Engineering,  
**The National Institute of Engineering, Mysore, India** (2005 - 2009)

## Employment History

1) **Research Assistant**                      Storage Systems Research Center                      (January 2012 - Present)  
(SSRC), University of California,  
Santa Cruz, USA

Working on Digital Forensics.

2) **Software Engineer**                      Hewlett Packard, ISO Pvt Ltd.                      (July 2009 - August 2011)  
Bangalore, India

Developed features for a product called Serviceguard Manager, a graphical user interface that enables configuration, monitoring, and administration of HPs High Availability Clustering Solutions like- Serviceguard, Metrocluster, and Continental Clusters.

3) **Intern**    Hewlett Packard, ISO Pvt Ltd.                      (December,2009 May, 2010)  
Bangalore, India

Developed a feature for provisioning storage for Virtual Machines from the Automated Storage Manager product for Proliant Storage Servers.

## Computer Skills

Languages - C, C++, .NET, J2EE, HTML, JavaScript, Flex, Perl.  
Operating Systems - Linux, HP-UX, Windows.

## Projects Undertaken During Graduate Study

1) Data aware deduplication for energy efficient archival systems

## Projects Undertaken During Undergraduate Study

1) Implementation of a 2-pass assembler for the working model of Intel 8086.  
2) Animation of the Stop-and-wait Automatic Repeat Request (ARQ) Protocol.  
3) A Students Information Collection System

## Graduate Courses Undertaken

1) Analysis of Algorithms                      2) Seminar in Storage Systems                      3) Storage Systems  
4) Programming Languages                      5) Archival Storage

## Other Activities

1) Worked as a Job Coordinator representing Computer Science and Engineering in The National Institute Engineering, Mysore, India; to officiate the training and recruitment activities of over 400 students; between March, 2008 and July, 2009.  
2) Voluntarily worked for Divya Deepa, Mysore, India - a charitable trust that runs a school for economically and socially backward children.