

Alexander Joseph Nelson

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RESEARCH AND INTERESTS Archival storage, computer security, long-term data management, secure and shared storage.

CURRENT RESEARCH Secure deduplicated storage.

GRADUATE COURSEWORK ◇ **Central Connecticut State University**
Introduction to Data Mining – Fall 2006
Data Mining Methods – Spring 2007
◇ **University of California, Santa Cruz**
Analysis of Algorithms – Fall 2008
Computer Architecture – Fall 2008
Programming Languages – Winter 2009
Advanced Operating Systems – Winter 2009
Advanced Computer Security – Spring 2009

PROFESSIONAL ACTIVITIES ◇ **IEEE**
Member
◇ **USENIX**
Member

EDUCATION ◇ **M.S. Student, Computer Science**
University of California, Santa Cruz, September 2008 – Present
Academic Advisor: Professor Ethan L. Miller
◇ **Bachelors of Arts and Sciences, Mathematics and Computer Science**, June 2005
The Evergreen State College, Olympia, WA

GRADUATE RESEARCH PROJECTS ◇ **Secure Deduplication**
Ethan L. Miller, University of California, Santa Cruz
Winter 2009 – Present
◇ **Information Flow Analysis in IMP**
Cormac Flanagan, University of California, Santa Cruz
Winter 2009

UNDERGRADUATE RESEARCH PROJECTS ◇ **Connectionism**
The Implementation of an Object-Oriented Artificial Neural Network
Sheryl Shulman, The Evergreen State College
Spring 2005

EMPLOYMENT
HISTORY

◇ **Information Systems Analyst** June 2004 – June 2008

Looking Glass Analytics, Olympia, WA

Web service management, including user interfaces, data processing and reporting service development. Publicly-available projects include WACrimeStats.net (<http://www.wacrimestats.net/>), Paper Trail (<http://www.paper-trail.org/>), and Ask HYS (<http://www.askhys.net/>).