

# LARS OLSON

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717 S. Mattis Ave. • Champaign, Illinois 61821 •

## OBJECTIVE

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Seeking entry-level employment as a computer programmer/junior-level researcher. Areas of specialization: databases, security, theory, mathematics.

## EDUCATION

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PH.D. COMPUTER SCIENCE 2003 - PRESENT  
*University of Illinois at Urbana-Champaign Urbana, Illinois*

- University of Illinois Fellowship, 2003-2004
- Rated as Outstanding (top 10% of teaching assistants) by Center for Teaching Excellence, Spring 2006
- Expected graduation date: 2008

M.S. COMPUTER SCIENCE 2000 - 2003  
B.S. COMPUTER SCIENCE, 1993 - 2000  
B.S. MATHEMATICS (Emphasis in Discrete Mathematics)  
*Brigham Young University Provo, Utah*

- Major GPA: 3.98 (Computer Science), 4.0 (Mathematics). Overall GPA: 3.98
- *Summa cum laude*, BYU Trustees Scholar, WordPerfect Scholar, and National Merit Scholar

## EMPLOYMENT

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RESEARCHER / DEVELOPER SUMMER 2005 AND SUMMER 2006  
*Corporation for National Research Initiatives Reston, Virginia*

Worked on integrating the Handle project from CNRI with the Globus Toolkit project from Argonne National Labs. Prepared a working demo of deploying a Handle Server within the Globus Application Server, including integrating authorization tokens with the Handle authorization framework. Also provided a Handle-based naming server for the caBIG project from the National Cancer Institute.

TEACHING ASSISTANT 2005 - 2006  
*University of Illinois at Urbana-Champaign Urbana, Illinois*

Assisted in CS 411 (Database Systems), CS 498SH (Introduction to Computer Security, renumbered as CS 461), CS 103 (Introduction to Computing for Non-Technical Majors). Duties include writing and grading homework, grading exams, conducting weekly help sessions to answer students' questions, and conducting weekly lab lectures to teach course material.

RESEARCHER / DEVELOPER  
*Institute for Human/Machine Cognition*

SUMMER 2004  
*Pensacola, Florida*

Worked on integrating the KAoS project from IHMC with the TrustBuilder project from University of Illinois. Prepared a working demo of deploying and using a centralized trust authority in a web-services environment.

RESEARCH ASSISTANT  
*University of Illinois at Urbana-Champaign*

2003 - PRESENT  
*Urbana, Illinois*

Database and Information Systems group of the UIUC Computer Science Department, Trust Negotiation subgroup. Also researched in Illinois Security Lab. Researched automated trust negotiation, database security, and building automation topics. Prepared conference papers, presentations, and posters. Served as DAIS seminar coordinator (2004-2005), tasks included inviting speakers and coordinating department visitors. Also assisted in reviewing papers for conferences.

RESEARCH ASSISTANT  
*Brigham Young University*

2001 - 2003  
*Provo, Utah*

Data Extraction Group of the BYU Computer Science Department. Researched data extraction and integration topics, prepared conference papers and presentations, helped develop web-based demo of research group projects. Also assisted in reviewing papers for conferences, and helped officiate at the ER 2000 conference in Salt Lake City.

TEACHING ASSISTANT  
*Brigham Young University*

1998 - 2001  
*Provo, Utah*

Assisted in various classes, including CS 235 and CS 236 (Fundamentals of Computer Science), CS 103 (Introduction to Programming) and CS 345 (Operating Systems). Graded homework, exams, and programming projects. Conducted weekly help sessions to review for exams and to explain the projects. Held consultations with students to give personal help with the class.

PROGRAMMER  
*MyComputer.com*

SUMMER 2000  
*Orem, Utah*

Development of tools for enhancing and maintaining commercial or personal websites, using PHP and C.

## PUBLICATIONS

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DEFEASIBLE SECURITY POLICY COMPOSITION FOR WEB SERVICES  
*ACM Workshop on Formal Methods in Security Engineering (FMSE),  
in conjunction with CCS 2006*

NOVEMBER 2006  
*Fairfax, Virginia*

TRUSTBUILDER AS AN AUTHORIZATION SERVICE FOR WEB SERVICES <i>International Workshop on Security and Trust in Decentralized/Distributed Data Structures (STD3S), in conjunction with ICDE 2006</i>	APRIL 2006 <i>Atlanta, Georgia</i>
QUERYING DISJUNCTIVE DATABASES IN POLYNOMIAL TIME <i>Master's Thesis, Brigham Young University</i>	AUGUST 2003 <i>Provo, Utah</i>
RESULTS OF USING AN EFFICIENT ALGORITHM TO QUERY DISJUNCTIVE GENEALOGICAL DATA <i>Proceedings of the Third Annual Workshop on Technology for Family History and Genealogical Research</i>	APRIL 2003 <i>Provo, Utah</i>
EFFICIENTLY QUERYING CONTRADICTORY AND UNCERTAIN GENEALOGICAL DATA <i>Proceedings of the Second Annual Workshop on Technology for Family History and Genealogical Research</i>	APRIL 2002 <i>Provo, Utah</i>