

## Peter A. H. Peterson

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### CONTACT INFORMATION

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### EDUCATION

**University of California, Los Angeles**, Los Angeles, California

Advisor: Dr. Peter L. Reiher

GPA: 3.7

Ph.D. Computer Science, *in progress*

- Written Qualifying Exam: *From Whetstone to Benchmark Cloning: Thirty Years of Representative Synthetic Benchmarks*, Spring 2010
- Advancement to Candidacy: expected Spring 2011

M.S. Computer Science, Winter 2009

- Comprehensive: *Security Exercise Design Using DETER*

**North Park University**, Chicago, Illinois

Diploma [B.M.E.] in Music Education, May, 1999

### EMPLOYMENT HISTORY

**The Yucaipa Companies**, Los Angeles, California

**October 2005 – June 2006**

- Director of Information Technology

**North Park University**, Chicago, Illinois

**July 1999 – June 2005**

- Programmer and PC Coordinator

### RESEARCH EXPERIENCE

**Laboratory for Advanced Systems Research, UCLA**, Los Angeles, California

*Graduate Student Researcher*

**July 2007 – Present**

- Collaborate on security, power and benchmarking research projects.
- Assist in direction of M.S. and undergraduate students.
- Develop projects and help author research proposals.
- Build and maintain Intel Atom LEAP testbed.
- Prepare course curricula for public release.
- Author papers and review prior work.

### TEACHING EXPERIENCE

**University of California, Los Angeles**, Los Angeles, California

*Teaching Assistant*

**July 2007 – Present**

- Develop research course on power and security trade-offs using Intel Atom LEAP.
- Author project specifications and testbed documentation.
- Develop innovative and realistic hands-on security curricula.
- Present lecture material for homework projects.
- Author background material and lab manuals.
- Lead discussion section and hold office hours.
- Participate in student group meetings.
- Help develop and proctor exams.
- Grade homework material.

**North Park University**, Chicago, Illinois

*Part Time Adjunct Professor*

**Spring, 2003**

- Teach Computer Networking course for Computer Science undergraduates.
- Handle all class duties.

**North Park University School of Education**, Chicago, Illinois

*Education Degree and Student Teaching Practicum*

**1994 – 1999**

- Observed and instructed over 15 weeks in class as part of my education degree.
- Passed student teaching practicum for all educational levels.
- Took full education sequence in pedagogy and curriculum development.

PUBLICATIONS

- P. Peterson. *Cryptkeeper: Improving Security with Encrypted RAM*. IEEE Homeland Security Technologies (HST), November 2010.
- P. Peterson and P. Reiher. *Security Exercises for the Online Classroom with DETER*. USENIX Workshop on Cyber Security Experimentation and Test (CSET), August 2010.

RELATED  
PROFESSIONAL  
EXPERIENCE

- Member, UCLA Computer Science Graduate Student Committee (CSGSC).
- Co-chair, first annual CSGSC Student Competition, *\$CONTEST 2010: So You Think You Can Present?!*

PROFESSIONAL  
MEMBERSHIPS

- ACM, IEEE, USENIX