

Christopher W. Fletcher

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AFFILIATION	University of Illinois at Urbana-Champaign Computer Science Department
ADDRESS	Siebel Center for Computer Science 201 N. Goodwin Ave, Urbana, IL 61801
EDUCATION	Massachusetts Institute of Technology June 2016 Ph.D., Electrical Engineering and Computer Science Thesis: “Oblivious RAM: From Theory to Practice” (Winner of the George M. Sprowls Award for outstanding Ph.D. thesis in CS at MIT) Advisor: Sriniv Devadas Massachusetts Institute of Technology May 2013 S.M., Electrical Engineering and Computer Science Thesis: “Ascend: An Architecture for Performing Secure Computation on Encrypted Data” Advisor: Sriniv Devadas The University of California, Berkeley May 2010 B.S., Electrical Engineering and Computer Science Advisor: John Wawrzynek Viewpoint School, Calabasas June 2006 {Elementary, High} School Diplomas
PAPERS/ETC.	Please see http://cwfletcher.net/Pages/Research.php for a complete list of published papers, theses, talks, posters, press and funding.
AWARDS AND DISTINCTIONS	Top Picks in Hardware & Embedded Security Shortlist Paper 2018 Faculty Ranked Excellent by Their Students 2018 George M. Sprowls Award for Outstanding Ph.D. thesis in CS at MIT 2016 ACSC’13 Best Poster Presentation Award, Second Place 2013 CCS’13 Best Student Paper Award 2013 Ascend processor named one of ten “world changing ideas” by Scientific American 2013 National Defense Science and Engineering Graduate Fellowship Funding years: 2012-2015 National Science Foundation Graduate Research Fellowship Funding years: 2011 ICS’10 Best Student Paper Award 2010 UC Berkeley, graduated with <i>High Honors</i> (GPA: 3.91/4) 2010 Golden Key (member) Inducted 2008 Rose Hills Science and Engineering Scholarship 2007-2008 Tau Beta Pi, UC Berkeley CA Alpha Chapter (member) Inducted 2007 Eta Kappa Nu (invited) 2007 National Society of Collegiate Scholars 2006 UC Berkeley Edward Frank Kraft Scholarship 2006 VSSA Award (Community Service Distinction) 2006 Cum Laude Society, Honor Society (member) Inducted 2006 CORE, Community Service Honor Society (member) Inducted 2005

POSITIONS

1. Assistant Professor **Fall 2017 - Present**
Affiliation: *University of Illinois at Urbana-Champaign; Computer Science Department*
2. Research Post-Doc **Fall 2016 - Fall 2017**
Affiliation: *Nvidia Corporation; Nvidia Research; Architecture Research Group*
Advisor(s): Joel Emer, Steve Keckler
3. Research Assistant **Fall 2010 - Spring 2016**
Affiliation: *MIT; CSAIL; Computation Structures Group*
Advisor(s): Srinu Devadas
4. Undergraduate Researcher **Spring 2008 - Spring 2010**
Affiliation: *U.C. Berkeley; BWRC, ParLab; RAMP, Berkeley Reconfigurable Group*
Advisor(s): John Wawrzynek, Garry Nolan, Greg Gibeling, Narges Asadi
5. Software Engineering Intern **Summer 2008**
Oracle Corporation; Project: JDeveloper-JIRA Connector

SERVICE

Program Committees: ICCD'16, ASPLOS'17, HOST'17, MICRO'17, CCS'17, DAC'18, HASP'18, HPCA'19 (industrial track), CHES'19, DAC'19
External Review Committees: Asia CCS'17, ISCA'17, HPCA'19
Organizing Committees: MICRO'17
Session Chair: MICRO'17
NSF Panels: Spring'18
Book reviews: Morgan & Claypool series on Computer Architecture'18
Misc: Reviewer for TACO, IEEE MICRO, CAL

TEACHING

CS61A: Structure and Interpretation of Computer Programs, U.C. Berkeley
CS150: Components and Design Techniques for Digital Systems, U.C. Berkeley
6.S092: Introduction to Software Engineering in Java (IAP), M.I.T.
6.172: Performance Engineering of Software Systems, M.I.T.
CS598clf: Secure Processor Design, UIUC
CS433: Computer Systems Organization, UIUC

1. Instructor (Student Approval Rating: 4.4/5) **Spring 2018**
CS433; course website: <http://cwfletcher.net/433sp18.html>
2. Instructor (Student Approval Rating: 4.8/5 - **Rated excellent by students**) **Fall 2017**
CS598clf; course website: <http://cwfletcher.net/598clf.html>
3. Teaching Assistant (Student Approval Rating: 6.7/7) **Fall 2013**
6.172; under: Charles Leiserson and Saman Amarasinghe
4. Instructor **January 2012**
6.S092; with: Anirudh Sivaraman and Kasia Hayden
5. Teaching Assistant (Student Approval Rating: 5/5) **Spring 2010**
CS150; under: John Wawrzynek
6. Teaching Assistant (Student Approval Rating: 4.7/5) **Spring 2009**
CS150; under: John Wawrzynek
7. Head Teaching Assistant (Student Approval Rating: 4.8/5) **Fall 2008**
CS150; under: Kris Pister
8. Grader **Fall 2007**
CS61A; under: Brian Harvey
9. Lab Assistant **Spring 2007**
CS61A; under: Brian Harvey