

# 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	<b>Massachusetts Institute of Technology</b> <span style="float: right;"><b>June 2016</b></span> Ph.D., Electrical Engineering and Computer Science Thesis: “Oblivious RAM: From Theory to Practice” ( <b>Winner of the George M. Sprowls Award for outstanding Ph.D. thesis in CS at MIT</b> ) Advisor: Srinivasa Devadas  <b>Massachusetts Institute of Technology</b> <span style="float: right;"><b>May 2013</b></span> S.M., Electrical Engineering and Computer Science Thesis: “Ascend: An Architecture for Performing Secure Computation on Encrypted Data” Advisor: Srinivasa Devadas  <b>The University of California, Berkeley</b> <span style="float: right;"><b>May 2010</b></span> B.S., Electrical Engineering and Computer Science Advisor: John Wawrzynek  <b>Viewpoint School, Calabasas</b> <span style="float: right;"><b>June 2006</b></span> {Elementary, High} School Diplomas
PAPERS/ETC.	Please see <a href="http://cwfletcher.net/Pages/Research.php">http://cwfletcher.net/Pages/Research.php</a> for a complete list of published papers, theses, talks, posters, press and funding.
AWARDS AND DISTINCTIONS	IEEE Micro’s Top Picks 2019 Honorable Mention Paper <span style="float: right;"><b>2019</b></span> Top Picks in Hardware & Embedded Security Paper <span style="float: right;"><b>2018</b></span> Faculty Ranked Excellent by Their Students <span style="float: right;"><b>2018</b></span> George M. Sprowls Award for Outstanding Ph.D. thesis in CS at MIT <span style="float: right;"><b>2016</b></span> ACSC’13 Best Poster Presentation Award, Second Place <span style="float: right;"><b>2013</b></span> CCS’13 Best Student Paper Award <span style="float: right;"><b>2013</b></span> Ascend processor named one of ten “world changing ideas” by Scientific American <span style="float: right;"><b>2013</b></span> National Defense Science and Engineering Graduate Fellowship <span style="float: right;"><b>Funding years: 2012-2015</b></span> National Science Foundation Graduate Research Fellowship <span style="float: right;"><b>Funding years: 2011</b></span> ICS’10 Best Student Paper Award <span style="float: right;"><b>2010</b></span> UC Berkeley, graduated with <i>High Honors</i> (GPA: 3.91/4) <span style="float: right;"><b>2010</b></span> Golden Key (member) <span style="float: right;"><b>Inducted 2008</b></span> Rose Hills Science and Engineering Scholarship <span style="float: right;"><b>2007-2008</b></span> Tau Beta Pi, UC Berkeley CA Alpha Chapter (member) <span style="float: right;"><b>Inducted 2007</b></span> Eta Kappa Nu (invited) <span style="float: right;"><b>2007</b></span> National Society of Collegiate Scholars <span style="float: right;"><b>2006</b></span> UC Berkeley Edward Frank Kraft Scholarship <span style="float: right;"><b>2006</b></span> VSSA Award (Community Service Distinction) <span style="float: right;"><b>2006</b></span> Cum Laude Society, Honor Society (member) <span style="float: right;"><b>Inducted 2006</b></span> CORE, Community Service Honor Society (member) <span style="float: right;"><b>Inducted 2005</b></span>

## 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, ISCA'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