

# Thierry Moreau

moreau@uw.edu - (206) 883 1723 - <http://homes.cs.washington.edu/~moreau/>

## EDUCATION

- University of Washington – Computer Science and Engineering** 2012-present  
Master of Science (2015), Ph.D. in progress, Advisor: Luis Ceze
- University of Toronto – Computer Engineering** 2007-2012  
Bachelor of Applied Science (BASc) with Honors (GPA 3.89/4.0)

## WORK & RESEARCH EXPERIENCE

- University of Washington - Research Assistant** Fall 2012-present
- Altera Corporation, OpenCL compiler group - Software Engineer Intern** Fall 2014
- Altera Corporation, Memory IP group - Software Engineer Intern** May 2010-August 2011
- University of Toronto - Undergraduate Researcher - advised by Professor Natalie Enright Jerger** Summer 2009
- Total S.A. France, IT group – Software Intern** Summer 2008

## PEER-REVIEWED PUBLICATIONS

- “Approximating to the Last Bit”, **Thierry Moreau**, Adrian Sampson, Luis Ceze, Mark Oskin. WAX 2016 (co-located with ASPLOS)
- “Compilation and Hardware Support for Approximate Acceleration”, **Thierry Moreau**, Adrian Sampson, Andre Baixo, Mark Wyse, Ben Ransford, Jacob Nelson, Luis Ceze and Mark Oskin. At TECHCON 2015
- “REACT: A Framework for Rapid Exploration of Approximate Computing Techniques”, Mark Wyse, Andre Baixo, **Thierry Moreau**, Bill Zorn, James Bornhsolt, Adrian Sampson, Luis Ceze and Mark Oskin. WAX 2015 (co-located with PLDI)
- “SNNAP: Approximate computing on Programmable SoCs Via Neural Acceleration”, **Thierry Moreau**, Mark Wyse, Jacob Nelson, Adrian Sampson, Hadi Esmaeilzadeh, Luis Ceze and Mark Oskin. HPCA 2015

## TECHNICAL REPORTS & OTHER

- “QAPPA: A Framework for Navigating Quality-Efficiency Tradeoffs with Arbitrary Quantization”, **Thierry Moreau**, Felipe Augusto, Patrick Howe, Armin Alaghi, Luis Ceze. UW-CSE-17-03-02
- “A Taxonomy of Approximate Computing Techniques”, **Thierry Moreau**, Joshua San Miguel, Mark Wyse, James Bornholt, Luis Ceze, Natalie Enright Jerger, Adrian Sampson. UW-CSE-16-03-01
- “Approximate Computing: Making Mobile Systems More Efficient”, **Thierry Moreau**, Adrian Sampson, and Luis Ceze. In IEEE-Pervasive Computing, April/June 2015
- “ACCEPT: A Programmer-Guided Compiler Framework for Practical Approximate Computing”, Adrian Sampson, Andre Baixo, Benjamin Ransford, **Thierry Moreau**, Joshua Yip, Luis Ceze, Mark Oskin. UW-CSE-15-01-01

## AWARDS AND DISTINCTIONS

- C-FAR Semi-Annual Workshop Demo – 2<sup>nd</sup> Prize Winner 2016
- Qualcomm Innovation Fellowship 2013 (\$100K in research funding for a team of two) 2013-2014
- Weil Research Fellowship in Computer Science and Engineering 2012-2013
- NSERC PostGraduate Scholarship 2012-2013
- University of Toronto Scholarship 2009-2010
- NSERC Undergraduate Student Research Award Summer 2009

## TEACHING/TUTORING/ADVISING

- (University of Washington) **Head T.A. for Computer Architecture (CSE548)** Spring 2017
- (University of Washington) **Head T.A. for Hardware Design and Implementation (CSE352)** Spring 2013