		caberger@stanford.edu (608) 738-8876
EDUCATION	Stanford University, Stanford, California Doctor of Philosophy in Computer Science	Expected 2018
	Stanford University, Stanford, California Master of Science in Computer Science	Summer 2016
	Stanford University , Stanford, California <i>Master of Science</i> in Electrical Engineering	Spring 2015
	University of Wisconsin, Madison, Wisconsin Bachelor of Science in Computer Science Bachelor of Science in Computer Engineering Minor in Mathematics Graduated with Highest Distinction	May 2013
	Zhejiang University, Hangzhou, China Technical communication and Mandarin course	Summer 2009
PUBLICATIONS	LevelHeaded: A Unified Engine for Business Intellig Linear Algebra Querying Christopher R. Aberger, Andrew Lamb, Kunle Olukotun, and ICDE	2018
	EmptyHeaded: A Relational Engine for Graph Proc Christopher R. Aberger, Andrew Lamb, Susan Tu, Andres N Kunle Olukotun, and Christopher Ré TODS	_
	Mind the Gap: Briding Multi-Domain Workloads with EmptyHeaded Christopher R. Aberger, Andrew Lamb, Kunle Olukotun, and VLDB Demo	
	EmptyHeaded: A Relational Engine for Graph Proc Christopher R. Aberger, Susan Tu, Kunle Olukotun, and Ch SIGMOD, Best of	
	Old Techniques for New Join Algorithms: A Case St RDF Processing Christopher R. Aberger, Susan Tu, Kunle Olukotun, and Ch ICDE Workshop	•
	Have Abstraction and Eat Performance, Too: Optim Heterogeneous Computing with Parallel Patterns Kevin J. Brown, HyoukJoong Lee, Tiark Rompf, Arvind K. Christopher De Sa, Christopher Aberger, and Kunle Olukotu CGO	Sujeeth,

EXPERIENCE

Stanford University, Palo Alto, California

Fall 2013-Present

Research Assistant under Christopher Ré and Kunle Olukotun

Google, Mountain View, CA

Spring 2017

Software Engineering Intern

Materialized view query optimization in the F1 (massively distributed) database.

Apple Inc., Austin, TX

Summer 2013

Design Performance Intern

Machine learning applied to performance analysis for A7 chip design.

IBM, Austin, TX

Summer 2012

Hardware Engineering Co-op

Functional verification and lab bring-up procedures for Power8 chip.

Epic Systems, Madison, WI

Summer 2010, 2011

Finance Intern

LANGUAGES

C++, Python, Scala, Java, C

SELECTED COURSES

University of Wisconsin-Madison

Advanced Computer Architecture I (Superscalar design) (ECE 752)

Advanced Computer Architecture II (Multi-core design) (ECE 757)

Digital Engineering Laboratory (ECE 554)

Digital System Design and Synthesis (ECE 555)

Digital Signal Processing (ECE 431)

Operating Systems (CS 537)

Computer Graphics (CS 559)

Algorithms (CS 577)

Stanford University

Databases (CS 145)

Automata and Complexity Theory (CS 154)

Logic (CS 157)

Programming Languages (CS 242)

Topics in Database Management Systems (CS 345)

Program Analysis and Optimizations (CS 243)

Advanced Topics in Operating Systems (CS 240)

Machine Learning (CS 229)

AWARDS

2008, La Crosse Community Foundation Engineering Scholarship

2008-2012, Wisconsin Academic Excellence Scholarship

2009, 2010, Claude and Dora Richardson Engineering Scholarship

2010, Polygon Excellence in Engineering Scholarship

2010-2011, International Engineering Consortium Everitt Award Winner

2011-2012, Tau Beta Pi National Scholar

2012, Fred W. and Josephine H. Colbeck Scholarship Award