

# Benno Stein

(914) 255 - 8010  
benno.stein@colorado.edu  
plv.colorado.edu/benno

Department of Computer Science  
University of Colorado Boulder  
Boulder, CO, 80309

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- EDUCATION**
- University of Colorado, Boulder, CO**  
*Doctor of Philosophy, Computer Science* 2015 to Present  
Programming Languages and Verification Group  
Advisor: Bor-Yuh Evan Chang
- University of Colorado, Boulder, CO**  
*Master of Science, Computer Science* 2015 to 2017  
*Cumulative GPA: 3.95 / Expected Fall '17*
- Williams College, Williamstown, MA**  
*Bachelor of Arts Cum Laude, Computer Science and Mathematics* 2011-2015  
*Cumulative GPA: 3.79 / Computer Science GPA: 3.86*
- Rye High School, Rye, NY**  
National Merit Scholar, National AP Scholar, National Honor Society 2007-2011
- EXPERIENCE**
- Research Assistant** University of Colorado, Boulder  
Summer 2015 - Present  
Boulder, CO  
Perform research under Prof. Bor-Yuh Evan Chang in the Programming Languages and Verification Group, studying program analysis and verification, focusing on the analysis of modern dynamic languages like JavaScript.
- Course Assistant** University of Colorado, Boulder  
Fall 2017  
Boulder, CO  
Taught several lectures while the primary instructor travelled, ran office hours and one-on-one tutoring sessions, and helped design problem sets and exams for a joint undergraduate/graduate Compilers course.
- Program Analysis Intern** Uber  
Summer 2017  
Palo Alto, CA  
Built static analysis tooling to detect threading defects in functional-reactive Android applications.
- Research Assistant** University of Michigan  
Summer 2014  
Ann Arbor, MI  
Performed research under Prof. Michael Wellman in the Strategic Reasoning Group, studying machine learning-based high-frequency trading algorithms using empirical game-theoretic models.
- Teaching Assistant/Tutor** Williams College CS Department  
2012-2014  
Williamstown, MA  
Ran TA sessions and one-on-one tutoring sessions and assisted professors in administering lectures, labs, and exams for a broad range of Computer Science courses.
- Software Development Intern** Fiksu, Inc.  
Summer 2013  
Boston, MA  
Built internal data management and reporting software in Ruby on Rails and PostgreSQL. Worked on a large codebase with many contributors and massive production databases.
- AWARDS AND HONORS**
- Dean's Graduate Assistantship, University of Colorado Boulder** 2015-2016  
University-wide merit-based award providing one year of tuition and stipend.
- ACM Student Research Competition, PLDI, 2nd Place** 2016  
Submitted an extended abstract, presented a research poster, and gave a talk on *Goal-Directed Backwards Static Analysis for JavaScript*.

<b>SPEAKING</b>	<b>Graduate Research Forum, CU Boulder CS Department</b>	Fall 2017
	<b>PL &amp; Verification Seminar, CU Boulder</b>	Fall 2017
	<b>Student Research Presentation, Oregon PL Summer School</b>	Spring 2016
	<b>ACM Student Research Competition, PLDI</b>	Spring 2016
	<b>Math Department Colloquium, Williams College</b>	Fall 2014
	<b>REU Research Forum, University of Michigan</b>	Summer 2014
	<b>Hudson River Undergraduate Math Conference</b>	Spring 2013

<b>SERVICE</b>	<b>Chair, PhD Student Faculty Search Committee</b>	2016-2017
	Organize and participate in student interviews for visiting faculty candidates, compile PhD student feedback, and serve as liaison to faculty search committee.	
	<b>Member, Computer Science Student Advisory Committee</b>	2013-2014
	Met with visiting speakers and job candidates to the Williams computer science department and provided feedback on job candidates. Organized department meetings and social events. Elected by peers as one of two student representatives.	