

## Brian J. Burg

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CONTACT INFORMATION	Computer Science and Engineering University of Washington Box 352350 Seattle, WA 98195-2350	<i>Mobile:</i> by request <i>Fax:</i> +1-206-543-2969 <i>E-mail:</i> burg@cs.uw.edu <i>WWW:</i> www.brrian.net
OBJECTIVE	Internships or collaborations that enable research at the intersection of the web and programming languages/software engineering.	
RESEARCH INTERESTS	Software engineering, debugging, web applications, programming language design/implmentation, dynamic analysis, program understanding, software testing	
EDUCATION	<b>University of Washington</b> , Seattle, Washington USA  Ph.D., Computer Science, <i>Started October 2010</i> <ul style="list-style-type: none"><li>• Advisor: Professor Michael D. Ernst</li><li>• Area of Study: Software Engineering, Programming Languages</li></ul> <b>Purdue University</b> , West Lafayette, Indiana USA  B.S., Computer Science Honors, May 2010 <ul style="list-style-type: none"><li>• Minors in Mathematical Sciences, Japanese</li><li>• Research Advisor: Professor Jan Vitek</li></ul> <b>Tohoku University</b> , Sendai, Miyagi Japan  Study abroad (2 semesters), October 2008–August 2009 <ul style="list-style-type: none"><li>• Exchange student, Direct Enrollment Exchange Program (DEEP)</li><li>• Research Advisor: Professor Naoki Kobayashi</li></ul>	
CONFERENCE PUBLICATIONS	Richards, Gregor, Christian Hammer, <b>Brian Burg</b> , Jan Vitek. “The eval that men do: A large-scale study of the use of eval in JavaScript applications”, <i>ECOOP 2011</i> , July 2011.  <b>Brian Burg</b> . “Exploiting the collective wisdom of web application executions”, <i>PLDI 2011 FIT Track</i> , June 2011.  Lerner, Benjamin S., <b>Brian Burg</b> , Herman Venter, Wolfram Schulte. “C3: An Experimental, Extensible, Reconfigurable Platform for HTML-based Applications”, <i>WebApps 2011</i> , June 2011.  Richards, Gregor, Sylvain Lebesne, <b>Brian Burg</b> , Jan Vitek. “An analysis of the dynamic behavior of JavaScript programs,” <i>PLDI 2010</i> , June 2010.	

PROFESSIONAL  
EXPERIENCE

- Mozilla Research**, Mountain View, California USA  
*Research Intern* **July 2011–October 2011**
- Microsoft Research**, Redmond, Washington USA  
*Research Intern* **June 2010–October 2010**
- Amazon.com**, Seattle, Washington USA  
*Software Development Engineer Intern* **June 2008–September 2008**
- Purdue University**, West Lafayette, Indiana USA  
*Undergraduate Research Assistant* **August 2009–May 2010**  
*Undergraduate Research Assistant* **May 2007–May 2008**  
*Student Developer, IT at Purdue* **September 2006–May 2007**

TEACHING  
EXPERIENCE

- University of Washington**, Seattle, Washington USA  
*Head Teaching Assistant* **January 2011–March 2011**  
CSE 331: Software Design and Implementation (Winter 2011)

AWARDS

- NSF Graduate Research Fellowship, Honorable Mention (2011)
- Outstanding Undergraduate Research Effort (2010, Purdue CS Dept.)
- CRA Outstanding Undergraduate Award, Honorable Mention (2009)
- The Barry M. Goldwater Scholarship, 2008
- Japan Student Services Organization (JASSO) Scholarship (2008–2009)
- Assoc. of Teachers of Japanese Bridging Scholarship (2008–2009)
- Purdue University Computer Science Department Scholarship (2006–2010)

REFERENCES

- Prof. Michael D. Ernst** (e-mail: mernst@cs.washington.edu)  
Associate Professor, Dept. of Computer Science and Engineering  
University of Washington  
UW CSE, Box 352350, Seattle WA 98195-2350 USA  
*Prof. Ernst is my graduate advisor.*
- Prof. Jan Vitek** (e-mail: jv@cs.purdue.edu)  
Professor, Dept. of Computer Sciences  
Purdue University  
305 N University Street, West Lafayette, IN 47907 USA  
*Prof. Vitek was my undergraduate research advisor.*
- Dr. Dave Herman** (e-mail: dherman@mozilla.com)  
Senior Researcher, Mozilla Research  
650 Castro St, Mountain View, CA 94041  
*Dr. Herman was my research internship manager at Mozilla Research.*