

SHRUTARSHI BASU

CONTACT INFORMATION	Apartment #1, 220 North Quarry Street Ithaca, NY 14850	484-284-0854 shr@basus.me http://basus.me
RESEARCH INTERESTS	Programming languages, programmable systems and networks. Hardware and software systems for concurrent and distributed computation	
EDUCATION	Cornell University , PhD Program in Computer Science, expected graduation in 2015 Lafayette College , PA <i>Magna Cum Laude</i> in 2011 <ul style="list-style-type: none">• B.S. Electrical and Computer Engineering with Honors• B.A. Computer Science with Honors	
HONORS AND AWARDS	J.J. Ebers Memorial Award, 2011 for “high academic achievement and noteworthy professional interest in the field of electrical engineering.” CRA Undergraduate Outstanding Research Award, 2010 – Honorable Mention James P. Schwar Prize, 2010 awarded to a computer science student on faculty nomination William G. McClean Tau Beta Pi Engineering Prize, 2009 for “an engineering student who has excelled in academics and extracurricular activities during the first three semesters.” Member of Tau Beta Pi (Engineering), Eta Kappa Nu (Electrical and Computer Engineering) and Upsilon Pi Epsilon (Computer Science) Honor Societies	
RESEARCH EXPERIENCE	Graduate Research Assistant at Cornell University <i>May 2012 – Now</i> Working on the Freon platform for trusted, programmable networks. Building a hardware testbed and investigating linguistic abstractions for network management. EXCEL Research Scholar at Lafayette College <i>May 2008 – May 2009, May 2010 – May 2011</i> Worked under Dr. Chun Wai Liew to build a declarative programming interface and modular graphics engine for creating fractal patterns Undergraduate Researcher at Virginia Tech <i>June 2009 – January 2010</i> Worked under Dr. Barbara Ryder researching program representations for blended analysis. Modified existing program analysis tool and used it to analyze real-world Java programs	
PUBLICATIONS	Exploring the impact of context sensitivity on blended analysis Marc Fisher II, Bruno Dufour, Shrutarshi Basu and Barbara G. Ryder. <i>In Proceedings of the 26th IEEE International Conference on Software Maintenance (ICSM 2010).</i> Application of formal grammars to the study of complex patterns and evolving systems Shrutarshi Basu , Rhodes Baker, Khine Lin. <i>In Proceedings of the National Conference on Undergraduate Research, 2009.</i>	
PRESENTATIONS	A language-based approach to computational art Shrutarshi Basu and Chun Wai Liew <i>At Off the Beaten Track, 2012</i> colocated with the 39th ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages	
COMPETITIONS	Metaphor: A Declarative Approach to Computational Art Shrutarshi Basu and Chun Wai Liew (Advisor). Accepted for Student Research Competition at <i>The 42nd ACM Technical Symposium on Computer Science Education (SIGCSE 2011).</i>	