

Lawrence F. Arnstein
University of Washington
Department of Computer Science & Engineering
Box 352350
Seattle, WA 98195-2350
phone: (206) 685-9138
e-mail: larrya@cs.washington.edu

Education

Carnegie Mellon University, Electrical and Computer Engineering Department
Pittsburgh, Pennsylvania, August 1989 - December 1993
Degrees: Ph.D. in Computer Engineering, 1993, M.S. in Computer Engineering, 1990
Advisor: Professor Don Thomas
Research: High Level (or Behavioral) Synthesis Methods and Algorithms

Case Western Reserve University, Computer Engineering Department
Cleveland, Ohio, 1981 - 1985
Degree: B.S. in Computer Engineering, 1985, with Highest Honors.

Research and Teaching

Assistant Research Professor, Dept. of CS&E, University of Washington,, Seattle, WA 9/99 - Present
Lecturer, ECE Department, Carnegie Mellon University, Pittsburgh, PA, Jan-May 1994
NSF Graduate Research Fellow, Carnegie Mellon University, Pittsburgh, PA, 8/89-12/93

Industry Experience

Stratos Product Development Group, Seattle WA, 7/98-7/99
Business Development and Electrical Engineering. Design of fuel cell electronics and power systems.
Cadence Design Systems, Director of Consulting Services, Japan 7/94-7/98
Leadership role in growing Cadence's consulting services business unit in Japan. Including design methodology and design services consulting business development and program management.
General Motors Corporation, Detroit, Michigan, January and February, 1991
Developed tools and techniques for the application of research grade design automation technology to production automotive electronics.
Hewlett Packard Company, Colorado and Washington DC, 1985 - 1989
Integrated Circuit Designer, Ft. Collins, CO, 7/85 - 10/86
Sales Representative, Washington, DC, 11/86-3/89

Publications

Top-Down Data-path Oriented Design, the Proceedings of Design Supercon 1996, January, 1996.
The Attributed-Behavior Design Abstraction and Synthesis Tools, the Proceedings of the 31st IEEE/ACM Design Automation Conference (DAC), June 1994.
The Attributed-Behavior Design Abstraction, the Proceedings of the IEEE/ACM High-Level Synthesis Symposium, May 1994.
A High Level Synthesis Based VLSI Design Methodology, Ph.D. Dissertation, Department of ECE, Carnegie Mellon University, December 1993.
A General Consistency Technique for Increasing the Controllability of High Level Synthesis Tools, Proceedings of the International Conference on Computer Aided Design (ICCAD), Santa Clara, November 1993.