

Mark R. Anderson

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OBJECTIVE	I wish to join a team involved in software development of a parallel processing system.	
EDUCATION	University of California at San Diego, San Diego, CA. M.S. in Computer Science, June 1985; GPA: 4.0	
	Harvey Mudd College, Claremont, CA. B.S. in Mathematics, May 1982; GPA: 3.3	
	Graduate coursework includes: Advanced Compiler Construction, Automata Theory, Combinatorial Algorithms, Operating Systems, Software Engineering, Parallel Processing Seminars, Formal Semantics of Programming Languages Seminars.	
RESEARCH AND WORK EXPERIENCE	<i>Research Assistant.</i> UCSD	Prep-P Project. Sep. 1984 – Present. The Prep-P project is developing a preprocessor for the CHiP parallel architecture. The goal of the preprocessor is to map problems that use an arbitrary number of processes onto the processing elements of a fixed size machine. On this project I have served as co-supervisor. My duties included devising tasks for and supervising the work of others as well as writing and maintaining programs written in C.
	<i>Teaching Assistant</i> UCSD	Department of EECS Sep. 1984 – Dec. 1985. I graded homework and conducted review sessions for graduate and undergraduate classes.
	<i>Consultant</i> San Diego, CA.	Simple Software Feb. 1984 – Apr. 1984. I was hired as a consultant to develop a file compression system on micros. The system was written in C.
	<i>Programmer/Analyst</i> Santa Monica, CA.	System Development Corporation May 1982 – Sep. 1983. I was a member of a group developing an interactive testing system for the Jovial programming language. I wrote parts of a Jovial to threaded code compiler in CWIC. CWIC is SDC's Lisp based compiler writing system.
	<i>Research Assistant.</i> Harvey Mudd College	Self-Sorting Memory Project Sep. 1981 – Dec. 1981. I wrote a simulation of an algorithm which performed Gaussian elimination on a parallel machine using self-sorting memory modules. The simulator was written in Fortran.
SPECIAL SKILLS	Programming Languages: Algol, C, Fortran, Jovial, Lisp, Pascal, Snobol, and SETL. Assembly Languages: 6502, 8051, 8086. Operating Systems: IBM CMS, Unix, Vax VMS.	
HONORS AND AWARDS	University of California Regents Fellowship Graduation with Distinction from Harvey Mudd College	

- PUBLICATIONS: D. Beeman, R. Lynds, and M. R. Anderson, "Structural and vibrational properties of a model vitreous As_2O_3 ," Journal of Non-Crystalline Solids Vol. 42 pp. 61-7 (October 1980).
- D. Beeman, J. Silverman, R. Lynds, and M. R. Anderson, "Modeling studies of amorphous carbon," Physics Review B Vol. 30 pp. 870-5 (July 15, 1984).
- M. Anderson and F. Berman, "A Complexity Measure for Demand Driven Data Flow Models," UCSD Dept. of Computer Science Technical Report (CS-087) (September 1986).
- M. Anderson and F. Berman, "Removing Useless Tokens from a Dataflow Computation," submitted for publication (Jan 1987).
- REFERENCES Available on request.