
Ian Strascina

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Current Address

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OBJECTIVE

To obtain a position in Software Engineering or Logic Programming

EDUCATION

Master of Science, Computer Science
New Mexico State University, Las Cruces, NM, August, 2004, GPA: 3.850

Bachelor of Science, Computer Science
New Mexico State University, Las Cruces, NM, December, 2001, GPA: 3.921

SKILLS

Programming Languages: C, C++, Java, .NET languages (C#, MC++), Prolog, smodels, Golog, Open Agent Architecture (OAA), NQC, SQL, Perl, Python, PHP, HTML

Software: Microsoft Visual Studio .NET IDE, Java NetBeans IDE, Microsoft Office, 3D Studio Max

Operating Systems: Windows, Linux, Solaris

Spoken Languages: Japanese, Spanish

EXPERIENCE

Graphics

- Constructed simple application GUIs using Java Swing, GTK/gtkmm, and Microsoft .NET forms
- Programmed simple 2D, 3D, and textured images using C/C++
- Produced 3D animations/models using 3D Studio Max

Logic Programming / A.I. (Master's Research)

- Programmed a Lego "delivery robot" using Prolog/Golog and NQC to navigate a building and incorporate dynamic delivery requests
- Modified smodels source code to include operation in a distributed environment
- Added functionality to the GraphPlan planner to simulate actions with time duration
- Designed several parsers using Prolog's built-in declarative clause grammar (DCG)

Japanese

- Completed 25 credit hours
- Absorbed culture and applied communication skills on three separate trips to Osaka, Japan
- Directed five, small conversation groups to assist the students in the beginning Japanese class at NMSU
- Passed Level 3 of the Japanese Language Proficiency Test with a score of 85%

Communication Skills

- Gave various one-hour presentations on issues of current research to classes/seminars of graduate students and professors
- Composed a technical report illustrating the goal, implementation, results, and future work of a research project
- Worked with a group of students to develop a simple online bookstore, each required to complete a designated task

WORK EXPERIENCE

Software Engineer, Scientific Data Systems, LLC

Las Cruces, NM, May 2005 to November 2005

- Developed a GUI application to provide two-way communication with an external data recorder via serial port and to validate all data received from that recorder
- Updated old code to conform to a new specification for performing packet-level validation of recorded data
- Rewrote and migrated scattered legacy code into one complete, easily-managed module
- Tested and experimented with new development software, to which the company will eventually convert

Programming Assistant, Physical Science Laboratory (PSL),

New Mexico State University, Las Cruces, NM, June 2004 to March 2005

- Debugged C/C++ code of a previously incomplete project to trace execution flow and communication
- Extensively documented source code of the same project using Doxygen to produce easy-reference pages that clarify data structures and their semantics
- Wrote a technical report describing current status and future direction of the same project
- Extended project to include graphical interface components and to run in parallel on nodes in a Beowulf cluster

Teacher's Assistant, Department of Computer Science,

New Mexico State University, Las Cruces, NM, January 2002 to May 2004

- Graded students' programs for correct execution, use of current classroom concepts, and original work
- Interacted with students during lab sessions to advise program style and content
- Held office hours every week to provide additional outside help to students
- TA for the following courses: Algorithmic Computation, Introduction to Data Structures, Graphics Programming

Intern / Off-site Contractor, Sandia National Laboratories, June 1998 to December 2001

- Converted machine part drawings into textured 3D models for more realistic analysis
- Compiled models into animation videos for development records and personnel training
- Held D.O.E. 'L' security clearance

AWARDS

- NMSU Crimson Scholar for eight semesters
- Dean's List Member, Fall 1997 and Fall 1998 through Spring 2000
- Golden Key International Honour Society
- Recipient of GAANN (Graduate Assistants in Areas of National Need) fellowship, Computer Science Dept., *NMSU*
- Tied for Outstanding Teacher's Assistant of the semester, Spring 2003, Computer Science Dept., *NMSU*

References Available Upon Request