SIJIA (MIMI) LIU

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OBJECTIVE   To obtain a challenging summer position providing skill development and practical experience in computer science while leveraging interactive media & aesthetics design skills. Available May 2003 - August 2003.

EDUCATION   **Massachusetts Institute of Technology (MIT)** – Cambridge, MA
Candidate for S.B. in Computer Science & Electrical Engineering with Minor in Economics, June 2004.

EXPERIENCE   **MIT Media Laboratory Aesthetics & Computation Group** – Cambridge, MA
Researcher, 9/02 - present
- Rendering interpretive computational weather illustrations and developing various image handling processes in Java and Python for the virtual MIT International School of Design (ISD).
- Creating dynamically updated illustrations based on current weather information queried from online meteorological databases.
- Designing and implementing Piquant Chat, a virtual café and interactive chat environment where user dynamics shape the aesthetics of the café, using Python, CGI, JavaScript, and MySQL.

Technology-Based Entrepreneurship for Engineering & Management Students – Cambridge, MA
Participant, 1/03 - present
- Developing knowledge of entrepreneurial business organization and strategy, business plans, productive innovation process, entrepreneurial markets, product marketing, and customer needs analysis.
- Attended intensive business seminars held by the MIT Entrepreneurship Center with MIT Sloan Business School MBAs and executives in the MIT Executive Development Program.

Merrill Lynch & Co. – New York, NY
Summer Analyst, 5/02 - 9/02
- Analyzed design flow for Merrill's global portfolio trading order management system.
- Improved a server side Java process for setting trade dates within the trading system.
- Developed Perl parsing scripts for Financial Information Exchange protocol messages.
- Cooperated on a team research project to recommend a technology enterprise infrastructure and developed a search API specification for a geographic reference data search system.

CDU Associates, Inc. – Cambridge, MA
Research Engineer, 2/02 - 5/02
- Collaborated with founder in designing a technical strategy to launch a new wireless product.
- Worked with startup team in exploring potential funding opportunities.
- Assisted in writing a business plan entered into the MIT $50K Entrepreneurship Competition.

MIT Undergraduate Practices Opportunities Program – Cambridge, MA
Participant, Student Advisory Committee Member, & Staff; 1/02 - present
- Participated in an intensive pre-professional training program with mentorship from faculty at the MIT School of Engineering, MIT Sloan School of Management, and industry professionals.
- Actively contributed to the team recognized by the program for consistent, outstanding work.

SKILLS   Computer Proficiencies: Java, Perl, Python, Visual Basic, Scheme, MATLAB, MAPLE, Unix, Linux, HTML, JavaScript, CGI, MySQL, MS SQL 2000, Sybase, AutoCAD, Macromedia & Adobe design suites
Lab Skills: operation of oscilloscopes, multimeters, function generators, stroboscopes, high speed video systems; PCB board construction, soldering
Languages: English, Chinese (Mandarin)

ACTIVITIES   UROP Mentorship Program, MIT $50K Entrepreneurship Competition, Reachout Volunteer Program, Society of Women Engineers, Science & Engineering Business Club, Spring Weekend Hospitality Chair

AWARDS   NASA Aerospace Internship Competition: 2nd Place, Space Station Division, NW Science Exposition: 3rd Place, National Merit Scholarship Finalist, National AP Scholar with Distinction, National Dean's List Award, Beaverton School District Recognition of Achievement in Student Science Research