

**Objective**

To make meaningful contributions to and gain experience with large-scale software projects as a Software Engineer.

**Publications**

Stribling, Jeremy, Yair Sovran, Irene Zhang, Xavid Pretzer, Jinyang Li, M. Frans Kaashoek and Robert Morris. “Flexible, Wide-Area Storage for Distributed Systems with WheelFS”. *Proceedings of the 6th USENIX Symposium on Networked Systems Design and Implementation*. (April, 2009).

**Experience**

**May 2008–May 2009** MIT Computer Science and Artificial Intelligence Laboratory—Research Assistant

Worked with the Parallel and Distributed Operating Systems group to design and implement a wide-area network file system for distributed applications, including deployment on PlanetLab. Focused on permissions, security, and versioning behavior.

**June 2008–Present** MIT Student Information Processing Board—Member

Created a custom Live CD for Debathena, MIT’s Ubuntu-based public computing environment. Contributed to the scripts.mit.edu secure shared hosting project. Organized computing education for the MIT community.

**Sept.–Dec. 2008** MIT Department of Electrical Engineering and Computer Science—Teaching Assistant

Taught Computer System Architecture, including preparing and grading labs and exams, giving recitations, and teaching students individually.

**Sept. 2004–Jan. 2008** Metacarta, Inc., Cambridge, MA—Software Engineer

Worked alone and in groups full- and part-time to develop a variety of tools for Metacarta in the Office of the Chief Technology Officer. Integrated open-source projects such as Heritrix with Metacarta’s geographic search systems. Coordinated and did advanced development work on a dynamic web map interface for Metacarta’s product. Contributed to the founding of OpenLayers, an open-source web map project.

**June–Aug. 2006** Software R&D Group, Ricoh, Tōkyō, Japan—Paid Internship

Researched and implemented an automated process for converting existing parts catalog entries from PDF into an interactive format that could be easily searched and accessed.

**Education****Massachusetts Institute of Technology**

Master of Engineering in Electrical Engineering and Computer Science, June 2009, 5.0/5.0 GPA

B.S. in Computer Science and Engineering w/ minor in Applied International Studies, June 2008, 4.8/5.0 GPA

**Honors**

- Intel Science Talent Search Semifinalist, 2004
- Eagle Scout Award, Boy Scouts of America, 2003
- Intel International Science and Engineering Fair Finalist, 2002

**Skills**

- Extensive programming experience in C, C++, Python, Scheme, Java, and T<sub>E</sub>X.
- Experience writing, building, and packaging software and administering servers on Debian/Ubuntu Linux.
- Web design experience with CSS, HTML/XHTML, SVG, and JavaScript.
- Conversational proficiency in Japanese and familiarity with Japanese culture and etiquette.

**References**

- John Frank, CTO, Metacarta, Inc., 857-928-0614, [john.frank@metacarta.com](mailto:john.frank@metacarta.com)
- M. Frans Kaashoek, Professor, MIT, 617-253-7149, [kaashoek@csail.mit.edu](mailto:kaashoek@csail.mit.edu)
- Arvind, Professor, MIT, 617-253-6090, [arvind@csail.mit.edu](mailto:arvind@csail.mit.edu)