

Erek Speed

Objective:

Using computer science and software development to create innovative solutions to real world problems.

Education:

Massachusetts Institute of Technology:

Cambridge, MA

Bachelor of Science in Computer Science and Engineering. June 2009

Relevant Coursework: Computer Programming, Computational Structures, Software Engineering Lab, Artificial Intelligence, Algorithms, Operating Systems, Performance Engineering, Computer Graphics, Linear Algebra, Microcontrollers.

Professional History:

Square Enix

Tokyo, Japan

Programming Intern

Summer 2008. Implemented a real time ray tracer in Intel's new API C# and C++. Created presentations on weekly progress. Gave hour long presentation on my work upon completing internship.

MIT-Singapore GAMBIT Game Development Lab

Cambridge, MA

Programmer, Technical Lead

Fall 2007-Spring 2008. Programmed a game on Valve's Source engine in order to test its viability as a platform. Led a team of 2 programmers in implementing a game on Playfirst's Playground SDK.

MIT Information Services and Technologies

Cambridge, MA

Tester, Software Release Team

Fall 2006 - Spring 2008. Coordinated with various product release teams to provide timely test results of new software to be released to MIT on all common operating systems.

MIT School of Engineering's Office of Engineering Outreach Programs

Cambridge, MA

Minority Introduction to Technology, Engineering, and Science (MITES) TA, Digital Design

Summer 06, 07, 09. Taught a group of high school students key web design skills, including: HTML, CSS, PHP, MySQL, Flash, and ActionScript. Taught iPhone development. Guided teams of students with widely differing skills and backgrounds to produce quality websites for their final competition.

Skills:

Languages Known: ActionScript, PHP, JavaScript, Scheme, Python, Java, CSS, HTML, C++, C, Intermediate Japanese.

Software proficiency: Visual Studio, Eclipse, Emacs, Dr. Scheme, Subversion, CVS, Git, Perforce, Latex

Activities

MIT Parliamentary Debate Team

2005 - Present. Competed in competitions with other Universities such as Harvard, Princeton and Yale. Organized and ran a tournament for 250 participants.

Lab Assistant, Software Development

Spring 2008. Assisted students with software development labs and assignments.

Interests

Games, Japanese Animation, Programming, Reading