

**Sean Markan**

**(617) 388-8851 - markan@alum.mit.edu - Framingham, MA**

**Teaching**

**Private tutoring (2008 - present)**

Have tutored around 100 students of all levels (middle school through graduate school) in math, physics, and computer science. Have prepared many students for math and physics competitions.

**Art of Problem Solving (2007 - present) ([www.artofproblemsolving.com](http://www.artofproblemsolving.com))**

Instructor in Art of Problem Solving's online school for gifted math students. Have taught numerous classes on mathematical problem solving and programming.

**MathZoom Summer Camp (Summer 2008, 2009, 2011)**

Planned and taught intensive math classes for advanced high school students.

**Prison University Project (Spring 2007)**

Taught math in a program enabling San Quentin inmates to earn college degrees.

**University of California, Berkeley Computer Science Department (2006 - 2007)**

Served as a teaching assistant for an undergraduate course on artificial intelligence.

**MIT High School Studies Program (Summer 2005)**

Designed and taught a summer class on linear algebra as part of an MIT enrichment program for talented high school students.

**MIT ACCESS (Fall 2003)**

Volunteered as a math tutor in an SAT prep program for underprivileged students.

**Other teaching**

Have lectured at the San Diego Math Circle, the Los Angeles Math Circle, and MIT's Splash enrichment program for high school students.

**Other work**

**Sean Markan Consulting (2008 – present)**

Have done a variety of freelance software projects. Specialize in Linux and Python.

**Computer science research (2002 - 2007)**

As a student I was involved in various research projects at the MIT Computer Science/AI Lab, the MIT Media Lab, and CERN (European Centre for Nuclear Research).

**Education**

**Massachusetts Institute of Technology. S.B. in Physics (2006)**

GPA 4.8/5.0 (5.0/5.0 in major). Courses included quantum field theory, classical mechanics, topology, abstract algebra, software engineering, algorithms, and computer architecture.

**Roxbury Latin School. Graduated *summa cum laude* (2002)**

**Awards**

Honorable mentions on the 2001 USA Math Olympiad and 2003 Putnam Competition. Member of the United States Physics Team in 2000 and 2002.