

Benjamin Switala

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- Objective** To obtain a summer internship for a sophomore engineering project for the summer of 2007.
- Education** **Massachusetts Institute of Technology** **Cambridge, MA**
Candidate for an SB degree in Computer Science and Engineering in 2009. Coursework includes Introduction to Artificial Intelligence, Circuits and Electronics, Structure and Interpretation of Computer Programs, Multivariable Calculus, Differential Equations, and Linear Algebra. **GPA: 4.8 / 5.0**
- Cuyahoga Community College** **Parma, OH**
Student during 2003 to fulfill high school requirements. Coursework includes Intro to Political Science and American National Government.
- North Olmsted High School** **North Olmsted, OH**
Graduated 1st out of 349 in June 2005.
Earned highest possible score on every AP Test taken, including AP Physics, AP Chemistry, AP Computer Science, AP Calculus, and AP Statistics.
- Experience** **Massachusetts Institute of Technology** **Cambridge, MA**
MASLab Autonomous Robot Competition January 2007
- Competed on a team of four in autonomous, vision-based robot competition as a robot software developer.
 - Competition required students to design and build a robot capable of collecting balls and putting them into goals in a controlled playing arena without outside human control.
 - Helped design, implement, and test a finite state machine model for robot behavior that included components involving machine vision, motor control, and sensor manipulation.
- Cleveland Foodbank** **Cleveland, OH**
Cleveland Community Kitchen Volunteer Summer, 2006
- Volunteered 134 hours to the Foodbank, an agency that distributes 17 million pounds of donated food to local charities in the Cleveland area.
 - Helped prepare hot meals for distribution to the needy.
- North Olmsted High School** **North Olmsted, OH**
Junior Engineering and Technical Society, Team Captain 2002-2005
- Led program to two district level competitions, using small-group communication skills to solve problems.
 - Motivated and organized team to focus on solving engineering-type problems.
- Skills**
- Computer programming: Java, extensive; Scheme, extensive; Visual Basic, moderate.
 - Statistical Analysis: MINITAB, extensive; Excel, extensive, MATLAB, some.
- Awards**
- National Society of Collegiate Scholars (2006)
 - Robert C. Byrd Scholarship (2005)
 - NASA College Scholarship (2005)
 - National Merit Finalist (2005)
- Activities**
- Starter, MIT Men's Varsity Fencing Team, **12 hrs/wk** (2005-2006).
 - German House Residence Hall Room Assignment Chair and Rush Chair (2005-2006).