

mattgoldman

computer science student

contact

Phone: (908) 698 7982

matt@mattgoldman.us

www.mattgoldman.us

programming

C, Java
Scheme, Python
JavaScript
HTML, CSS, SQL

software

Microsoft Office
 \LaTeX
Certified Google Power
Searcher

education

2012–Now **Bachelor** in Computer Science and Math Rutgers, the State University of New Jersey

- Double majoring in Computer Science (B.S.) and Mathematics (B.A.). Computer Science classes taken include
 - Data Structures
 - Computer Architecture
 - Principles of Programming Languages
- 4.0 GPA to date
- Received 2014 Academic Excellence Award, awarded to the top 10% of sophomore students
- Member of Honors Program in the School of Arts and Sciences
- Minor in Physics

2008–2012 **High School** Bernards High School, Bernardsville, New Jersey

- 11 Advanced Placement classes, including AP Calculus BC, AP Chemistry, and AP Physics B and C
- Ranked in top 10% of graduating class

experience

2008-2013 **Storming Robots, LLC** Branchburg, New Jersey
Instructor

- Taught classes in robotics, programming, and video game design to students in grades two through twelve.
- Used the Lego Mindstorms RCX and NXT programmed in RoboLab (Labview) and RobotC (C).
 - CMU Robotics Academy RoboC/Mindstorms Instructor
 - Taught advanced level RobotC programming including inter-robot communication using Bluetooth and XBee, I2C interfacing, and low level motor feedback control.
- From 2008-2010, coached FIRST Lego League teams, winning regional and State (NJ) level Teamwork Award in 2008, and winning third place in the research project competition at the NJ State Finals in 2010.
- Also in 2010, mentored several teams competing in the Rescue competition as part of RoboCup Junior

awards

- 2012 **Undergraduate Scholarship** Rutgers, the State University of New Jersey
Presidential Scholarship
Awarded to students with competitive academic credentials, minimum 2250 combined SAT or an ACT score of 35 and an A grade-point average.
- 2012 **Undergraduate Scholarship** Bernards High School
Olcott Major Scholarship
Awarded to a top student in the graduating class as selected by the board of education.

hobbies

- 2005-2012 **Robotics Team** Branchburg, New Jersey
Storming Robots, LLC
Member of a local robotics team competing in various competitions, including:
- RoboCup Junior from 2008 through 2011, fielding Lego Mindstorms NXT robots programmed in RobotC in the Soccer event. Used advanced I2C sensors such as compass and infrared seeker.
 - ZeroRobotics in 2010 and 2011. This is a competition created by MIT and NASA in which competitors get to play a game with MIT's SPHERES robots on board the International Space Station. The robots are programmed in C, and in 2011 my team came in 1st out of all teams competing.
- Completed many other robotics projects, including
- Rocky IV, a robotic hand that plays rock-paper-scissors against a human opponent, using an accelerometer to track the player's hand position.
 - Cerberus, an all-terrain rover that uses GPS to retrace a pre-recorded path input by the user.
- More information about these projects and others can be found at my website, mattgoldman.us

Other Hobbies: playing guitar (classical, acoustic, and electric), solving crossword puzzles, reading, watching classic movies