

mattgoldman

computer science student

contact

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www.mattgoldman.us

programming

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

software

Mac, Linux, Unix
L^AT_EX
Microsoft Office
Certified Google Power
Searcher

education

May 2016

B.S. in Computer Science, B.A. in Math

Rutgers, the State University of New Jersey

Undergraduate Student

- Computer Science classes:
 - Data Structures
 - Computer Architecture
 - Principles of Programming Languages
 - Design and Analysis of Computer Algorithms
 - Systems Programming
 - Graph Theory
- GPA: 4.0
- 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: Physics

experience

2008-2014

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).
 - Carnegie Mellon Robotics Academy Certified RobotC/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, Bernardsville, New Jersey

Olcott Major Scholarship

- Awarded to a top student in the graduating class as selected by the Somerset Hills School District Board of Education.

hobbies

2005-2011

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