

Corey Goldfeder

Email: goldfeder@gmail.com • Mobile: 845-596-0472

► EDUCATION

Graduate: PhD in Computer Science, Columbia University, October 2010, advisor Dr. Peter K. Allen;
M.S. in Computer Science, Columbia, May 2005, GPA 4.0; M.Phil, May 2007
Undergraduate: B.A. in Computer Science and Mathematics, Yeshiva University, Yeshiva College,
Schottenstein Honors Program, May 2004, Summa cum Laude, GPA: 3.955

► EXPERIENCE

Software Engineer, Google, New York, NY; March 2010 through present
Working on Google Apps Script, designing new features and supporting existing product
Software Engineering Intern, Google, New York, NY; Host: Thatcher Ulrich; Summers 2007 & 2008
Proposed and implemented “similarly shaped models” search for 3D Warehouse model repository
Research Intern, IBM. T. J. Watson Research Center, Hawthorne, NY; Summer 2006
Created a “sketch” generator to reduce a visualization into a thumbnail conveying only structure
Graduate Research Assistant, Columbia University; September 2004 – March 2010
Researched robotic grasping and shape analysis; see publications below
Research Assistant, Yeshiva; Summer 2003, September 2003 – May 2004
Researched caching in embedded systems (2003) and “responsiveness” of online maps (2004)
Teaching Assistant, Columbia: C++, Scripting PHP; Yeshiva: Algorithms, Discrete Structures,
Introduction to Java, Advanced Internet for Business

► SELECTED PUBLICATIONS

Goldfeder, Allen, “Data-Driven Grasping,” *Autonomous Robots* (31.1), 2011
Goldfeder, “Data-Driven Grasping,” PhD Thesis, Columbia University, 2010
Goldfeder, Ciocarlie, Peretzman, Dang, Allen, “Data-Driven Grasping with Partial Sensor Data,”
IROS, 2009
Goldfeder, Ciocarlie, Dang, Allen, “The Columbia Grasp Database,” *ICRA*, 2009
Goldfeder, Allen, “Autotagging to Improve Text Search for 3D Models,” *JCDL*, 2008
Ciocarlie, Goldfeder, Allen, “Dimensionality Reduction for Hand-Independent Dexterous Robotic
Grasping,” *IROS*, 2007
Goldfeder, Allen, Lackner, Pelosof, “Grasp Planning via Decomposition Trees,” *ICRA*, 2007
Goldfeder, “Frequency-Based Code Placement for Embedded Multiprocessors,” *DAC*, 2005

► TECHNICAL SKILLS

Programming in C++, Java, PHP, JavaScript; 3D graphics in OpenGL; SQL

► AWARDS RECEIVED

National Defense Science and Engineering Graduate Fellow (U.S. Department of Defense)
High Performance Computer Science Fellowship (U.S. Department of Energy), declined
National Science Foundation Graduate Fellowship Honorable Mentions 2004 and 2005
Joseph Gunner Award for Excellence in Computer Science (Yeshiva), 2004
Bernstein Award for Excellence in Bible, Jewish History or Semitic Languages (Yeshiva), 2004
Golding Distinguished Scholar (Yeshiva)
Robert C. Byrd Scholarship (Federal Government)
Scholarship for Academic Excellence (NY State)

► LANGUAGES

English, Hebrew