

# Jonathan Rogul

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cell: (202) 276-3773

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## EDUCATION

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ARIZONA STATE UNIVERSITY – Tempe, Arizona August 2006 – present  
*Master's of Science, Biomedical Engineering* (expected May 2009)

GPA: 3.94

- Model multichannel, miniaturized quartz crystal microbalances for cell and biomolecular analysis.
- Relevant Coursework: Design of Engineering Experiments (DOE), Response Surfaces and Process Optimization (RSM), Advanced Topics in Experimental Design (Advanced DOE)
- Teaching Assistant for course with emphasis in regulatory documentation, including QSR and GMP

UNIVERSITY OF MARYLAND – College Park, Maryland August 2002 – August 2005  
*Bachelor of Science, Mechanical Engineering*

GPA: 3.64; Mechanical Engineering Honors

- Teaching Fellow for Product Engineering and Manufacturing
- Member: Tau Beta Pi and Pi Tau Sigma (engineering honors societies), ASME
- Relevant Coursework: Total Quality Management, Statistical Methods for Product and Process Development, Product Engineering and Manufacturing, Integrated Product and Process Development, Engineering Materials and Manufacturing Processes, Computer Aided Design, Finite Element Analysis

WASHINGTON UNIVERSITY – St. Louis, Missouri August 1994 – May 1998  
*Bachelor of Arts, Germanic Languages and Literature*

GPA: 3.37; College Honors

- President, Student Government (1997-1998)

## EXPERIENCE

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FOOD AND DRUG ADMINISTRATION – Rockville, Maryland March 2006 – August 2006  
*Fellow, Medical Device Fellowship Program*

- Researched the interactions of electromagnetic waves with pharmaceuticals.
- Contributed to research-related publication in *IEEE Communications Magazine*.

BETHESDA – CHEVY CHASE RESCUE SQUAD – Bethesda, Maryland October 1999 – August 2006  
*Lieutenant: Emergency Medical Technician – Paramedic; Firefighter/Rescuer*

- Led and trained a crew of 15 emergency medical and firefighting personnel.
- Directed, supervised, and provided pre-hospital emergency care to sick and injured patients.
- Monitored and treated cardiac rhythms; defibrillated and paced hearts; evaluated capnography, pulse oximetry, and blood glucose levels; and administered emergency medications.

GEORGETOWN UNIVERSITY HOSPITAL – Washington, D.C. May – August 2002  
*Emergency Room Technician*

- Assisted doctors and nurses with patient care.

U.S. SENATOR DIANNE FEINSTEIN – Washington, D.C. February 2000 – March 2001  
*Staff Assistant*

- Coordinated with legislative staff on responding to constituent letters.

PROJECT OTZMA – Israel August 1998 – June 1999  
*Fellow*

- Designed and administered social programs at an immigrant absorption center.
- Taught and tutored English to primary and secondary school students in classrooms and one-on-one.

## COMPUTER SKILLS

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SPSS, Design-Expert, JMP, COMSOL Multiphysics (FEMLAB), Pro ENGINEER, Pro Mechanica, LabVIEW, Adobe Illustrator, Mathcad, MATLAB, C, Microsoft Office Suite (Word, Excel, PowerPoint, Access), Corel Word Perfect, Microsoft Windows, MS-DOS, Macintosh, LINUX