Todd A. Goldfinger
812-251-6644
goldfita@signalsguru.net

Education:

- **Rose-Hulman Institute of Technology** — Terre Haute, IN
  M.S. Electrical Engineering (GPA: **3.72**/4.0), January 2006

- **Rose-Hulman Institute of Technology** — Terre Haute, IN
  B.S. Computer Science (GPA: **3.65**/4.0), February 2003
  Minor in Japanese Language

Skills:

- Matlab, Maple, Python, C/C++, Scheme, Assembly, SQL, Basic
- Java, Servlets, JSP, XHTML, XML, LaTeX, TCP/IP, Threading
- TMS320C67x, Beamforming, TDOA, Echo Cancellation, DTD, Intel IPP
- Simulation, Algorithms, Real-Time, Fixed Point, Electronics
- Solaris, Linux, Windows, MS Word, Visual Studio, Excel, Asterisk, OrCAD

Classes:

- Electronic Music Synthesis, DSP, DSP Projects, Numerical Analysis
- Linear Algebra, Probability, Modeling, Fourier Optics, Microcomputers
- Image Processing, DSP System Design, Error Correcting Codes

Experience:

- **Signalscape** — Cary, NC
  Software Engineer (6/2006-current)

  - deblocking research and work with MPEG4 and JPEG standards

- **Infraware** — Terre Haute, IN
  Programmer (9/2004-1/2006)

  - designed menu framework, AGI server in Python/Jython for Asterisk PBX
  - custom applications in Octave and Snd

- **MusicRebellion** — Terre Haute, IN
  Software Developer (6/2001-5/2002)

  - designed and built e-commerce web system in Java as part of a team
  - set up and maintained email and ftp servers in linux

- **Johns Hopkins Applied Physics Laboratory** — Laurel, MD
  Summer student and intern (9/1998-8/1999, 6/2000-8/2000)

  - implemented SMO for training of SVMs in Java
  - meta-search engine in Java
  - numerical experiments in C for bioinformatics research

- **Study Abroad** (6/2002-7/2002) — Kanazawa, Japan

  - intensive program in Japanese for science and technology

Extracurricular:

- Track - 3 years, Cross Country - 6 years (Team Captain in 1998)
- Outdoor Venturing Club