

MATTHEW HINE

3456 N. Hills Dr. #330
Austin, TX. 78731
512.750.0363

matt@hine.cx
<http://www.hine.cx/>

**Seeking a permanent full-time position
for relocation to the Dallas area.**

WORK

2/00 - Present (Staff Mechanical Engineer)

National Instruments - Austin, TX.

- Designed custom tool to reform leads of high-volume IC and supervised machining of the same.
- Designed custom mechanical hardware and all mechanical components of products intended for sale.
- Conducted in-depth investigation of thermal compliance of an array of past PCI and Compact PCI products.
- Managing transition of high-volume cable assemblies to improved functional and industrial design.

5/99 - 8/99 (Engineering & IT)

Jet Propulsion Laboratory - Pasadena, CA.

- Defined new method for web-based collaboration on systems design and testing and created the resulting webpage for the Mars APEX/Athena project.

10/98 - 1/00 (Web Design & IT)

Digital Centric - Houston, TX.

- Created full commercial websites to customer specs as a contractor and in charge of technical implementation of an international web-based startup company.

5/98 - 9/98 (Engineering & Programming)

Rice University - Houston, TX.

- Developed guidelines for and programmed a graphical user interface package for Dr. Collis' computational fluid dynamics code.

SKILLS

Engineering Software

- Pro/Engineer, IDEAS, OptdesX, Matlab with Simulink

Graphics Software

- Photoshop, Illustrator, Alias Wavefront, FormZ, Fontographer, Premier, Composer(SGI)

Systems

- Macintosh, Linux, Windows(9X, NT), IRIX, SunOS

Languages

- C, C++, Fortran 90, and Matlab

Web

- html, php, MySql, Flash, Perl, Javascript

EDUCATION

- Bachelor of Science Mechanical Engineering degree from Rice University in Houston, Texas with final cumulative GPA of 3.32.
- Mechanical courses taken in Fluid and System Dynamics, Vibrations, Heat Transfer, Thermodynamics, and Statics.
- Additional coursework in photography, drawing, and 3-dimensional modelling, rendering, and animation.

EXPERIENCE

- Participated in a team of seven on the design and fabrication of an Autonomous Underwater Vehicle intended for deep-sea wellhead applications.
- Created Auriflux Music, an online CD and LP store, in partnership with a fellow student and created its web store.
- Coordinated fine art for the Rice University literary/arts magazine "University Blue" and acted as head layout and design artist for it.
- DJ'ed at KTRU 91.7 Rice Radio, broadcasting to the greater Houston area.

References are available upon request.