

# Steven Ferrino

[steven@sferrinodesigns.com](mailto:steven@sferrinodesigns.com)

<http://www.sferrinodesigns.com>

---

## OBJECTIVE

---

An individual with a passion for programming offering extensive experience in Internet based programming and PIC micro controllers through development of applications and robotics. In pursuit of a progressive position at a Phoenix based Technology Company.

---

## TECHNICAL SKILLS

---

**Programming Languages:** C, C++, Java, Java Script, Perl, PHP, Visual Basic, and Assembly

**Development Software:** LabView with GPIB, XLINX ISE (CPLD)

**Software Environments:** MPLab IDE (Assembly and C18), 8051 IDE (Assembly and C)

**Software Simulation:** MatLab, ModelSim, Multisim

**Electronic Equipment:** Spectrum Analyzer (Agilent), Oscilloscopes, Function Generators, DMM

---

## TECHNICAL PROJECTS

---

### Senior Project

#### **Bearbot (Animated Child's Toy) (First place award)**

- ❑ Selected a small Teddy bear to facilitate a design of a skeleton that supports mounting surfaces for electronics, servos, and switches without losing appeal to the average child.
- ❑ Integrated MP3 player, PIC microcontrollers, servos, and filter circuits combine to create an animated bear that moves its head and limbs to music.
- ❑ Programmed multiple microcontrollers for management of the MP3 player and interfacing to external stimuli, and control servos.

### Research & Development

#### **Professor Leonard Sokoloff**

- ❑ Designed a program using LabView and developed a webpage to display the ECG and heart rate from an electronic circuit via the internet.
- ❑ Designed a LabView program and RS-232 interface to control the speed of a stepper motor.

### Freelance Projects

#### **Barbara Yaney Design**

<http://www.barbarayaneydesign.com>

- ❑ Integrated existing multiple voice circuits into Barbara's plush doll prototype designs which provided laughter and voices.

### Robot Contest Project

- ❑ Designed and developed wheeled autonomous robot to avoid objects and navigate through the course.  
**First Place** – DeVry NJ Second Autonomous Robot Contest - May 2006  
**Second Place** – DeVry NJ First Autonomous Robot Contest – Oct 2005

---

## PROFESSIONAL EXPERIENCE

---

### Sferrino Designs

July 2003 - Present

#### **Freelance Web Development**

- ❑ Designed and developed multiple database driven applications for clients including: Automotive Fleet Commander, internet based calendar system for employee scheduling, and an accounting controller for tracking of payments.

**NT Admin / Lotus Notes Admin / Webmaster**

**Sept 2002 – July 2003**

**George Shaeffer Construction, Avon, CO**

- ❑ Managed remote offices and trained users to increase their productivity.
- ❑ Coordinated software revisions with Lotus design programmers to increase functionality and solve minor bugs.
- ❑ Performed hardware, software upgrades of all servers, desktops, and laptops and general maintenance.
- ❑ Setup Servers with Windows 2000 and install application software such as Lotus Notes etc.

**Webmaster / NT Admin / Unix Admin**

**Sept 1999 – July 2001**

**Tachion Networks, West Long Branch, NJ**

- ❑ Project coordinator for multiple in-house software projects.
- ❑ Teamed effort involving all departments to build custom Web based solutions.
- ❑ Built a database driven intranet from ground up utilizing various scripting languages.
- ❑ Designed and managed hardware demonstrations at all tradeshow.

**Webmaster / Software Trainer (Contract Position)**

**Summer 1999**

**Computron Software Inc., Rutherford, NJ**

- ❑ Collaborated with customer's graphic design firm to maximize branding and existing print collateral.
- ❑ Redesigned organizational structure of existing website into an intuitive tool for customers, prospects and employees.
- ❑ Utilized Macromedia's Flash technology to maximize customer response to the website.
- ❑ Conducted training classes on Macromedia's Flash technologies to allow employees to design, develop, and produce movies and animations.

---

**EDUCATION**

---

**DeVry University, North Brunswick, NJ Campus**

**October 2006**

**Bachelors of Science in Electronic Engineering Technology**

**GPA 3.70/4.00**

Golden Key Society • Phi Theta Kappa Society • Dean's Advisory Council • National Dean's List