

STEPHEN NIEDZIELSKI

05/05/08

Address: available upon request.

Email: sniedzie@digipen.edu

Phone: (334) 328-4074

EDUCATION

- **DigiPen Institute of Technology, Redmond, WA** [Fall 2005 – Present]

Major: Bachelor of Science in Computer Engineering; GPA: 3.21

Graduation Date: April, 2009

SKILLS

- **Languages:** C / C++, Verilog / SystemVerilog, C#, PIC18 / ColdFire / Z80 assembly, Python, Regular Expression, MATLAB, WinCUPL, HTML / CSS / SSI, Windows Shell Script
- **Protocols & APIs:** USB, I²C, RS-232, Win32, Winsock, DirectX
- **Software:** Visual Studio, Active-HDL, Quartus II, GCC, MPLAB, CodeWarrior, Eclipse, Cygwin, EAGLE, MATLAB / Simulink, TortoiseSVN, MS Office, WinCupl / WinSim, Visio, Doxygen, Illustrator, Photoshop, Windows, Ubuntu
- **Microcontrollers:** TMS470 Family, PIC18 Family, ColdFire Family
- **Other Hardware:** Cyclone II Family (FPGA), Spartan-3E Family (FPGA), ISP1362 (USB Controller), GAL22V10 (PLD), 7400 Family (Logic Gates & Misc.)

DIGIPEN PROJECT EXPERIENCE – More Information Available at www.Niedzielski.com

- **Swankmania Portable Gaming Device** [Junior]
Built portable gaming device using an FPGA, microcontroller, external SRAM memory, and LCD. Designed, simulated, and implemented vector graphics controller using Verilog and SystemVerilog.
- **Dreamcatcher Operating System** [Sophomore]
Coded operating system for an embedded device using C and assembly. OS featured support for dynamic process management including creation, deletion, and time share modification. Ported OS to a second embedded device and added integrated USB support.
- **DigiChat Wireless Text Messaging System** [Sophomore]
Created wireless chat system utilizing BlueTooth. Developed effective, very low cost compression algorithm for an embedded system.

RELATED WORK EXPERIENCE

- **Webmaster** [January 1999 – August 2005]
EBM, Inc., Montgomery, AL
Created and maintained the EBM website (www.EasyBuiltModels.com). Communicated products, articles, and other information in a clear and consistent style throughout the website.

ACTIVITIES & RECOGNITION

- **DigiPen Student Ambassador** [Spring 2006 – Present]
Met with prospective students and introduced them to the computer engineering program. Active student panel member in question / answer sessions.
- **Dean's Honor List** [Fall 2007]
Commendation for distinguished academic accomplishment recognizing both quality and quantity of work.
- **Annual Pacific Northwest Section of the Mathematical Association of America** [April 14, 2007]
Co-presented a method of volume approximation using infrared and Riemann sums.
- **Student Spotlight** [February 2007]
Interviewed in the Student Spotlight article of the DigiPen Newsletter (available at http://digipen.edu/images/9/95/Vol2No6_Web.pdf).

References available upon request.