

# JOHN BAUMAN

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## Objective

- A software engineering position where I can add value to a company and its products.

## Education

- **Carnegie Mellon University**—Pittsburgh, PA

*Masters in Electrical and Computer Engineering (ECE), Dual Degree in Computer Science and ECE, minor in Physics, minor in Math*

- GPA: 3.96/4.00 (overall), 4.00/4.00 (CS and ECE)
- Projected Overall Graduation Date: May, 2009
- Dean's List all seven semesters, University Honors, member of Phi Beta Kappa, Tau Beta Pi, and Eta Kappa Nu honor societies
- Classes: Operating System Design and Implementation, Networks, Graphics, Foundations of Programming Languages, Embedded System Design, Optimizing Compilers

## Experience

- **VMware**—Palo Alto, CA

*May-August, 2008 & June 2009-*

- Implemented virtualized Direct3D Shader Model 3 support by converting shaders to OpenGL GLSL to run on the host OS
- Fixed bugs and implemented new features in the current Direct3D support

- **Memory lab at Carnegie Mellon University**—Pittsburgh, PA

*September 2007-May 2008*

- Using Python and LISP for cognitive modelling, creating experiments, and analyzing experimental data

- **NVIDIA Corporation**—Santa Clara, CA

*May-August, 2007*

- Worked on fixing bugs in Windows Vista display driver on notebooks
- Helped develop new features for future graphics cards

- **Bauman Family Fruit Butters**—Sassamansville, PA

*2005-2006*

- Operated, fixed, and redesigned machinery, including cider press and computer-controlled filler.
- Maintained webpage, created shopping cart in Perl and connected it to PayPal.

## Skills

- **Operating Systems**

- Linux (Red Hat, Ubuntu, and Debian)
- Have programmed a Linux device driver
- Windows 98/2000/XP/Vista, Win32 development and driver development

- **Computer Languages/Technologies:**

- Proficient in C, Python, Java, HTML, XML, UNIX Shells, Ladder Logic, Linux programming
- Familiar with C++, Windows programming, OpenGL, DirectX, Perl, Haskell,  $\LaTeX$ , Javascript, SXML, XSLT, SML, and ARM or x86 assembly
- Have designed integrated circuits using Cadence Virtuoso

## Interests

- Computers, rocketry, tennis, music (piano and trumpet; Bach, Chopin, Liszt, and Mahler)