

# Aaron Suen

**Email:** asuen@suen.ed.psu.edu  
**Phone:** (814)880-7474  
**Website:** http://suen.ed.psu.edu/~asuen/  
**Address:** 1090 Greenwall Pl. #2D  
Frederick, MD 21703

**Skills:**

- Operating Systems: OpenBSD, FreeBSD, Windows, DOS, Linux, Solaris/SunOS
- Software: OrCAD 9.2, MATLAB 6.1, Visual Studio 6 and .NET, Microsoft Office, Adobe Photoshop, MySQL, Apache 1.3
- Programming/Markup: C/C++, C# .NET, Assembly (various architectures), HTML 4.01, CSS 2.1, Visual Basic and VBA, PHP, PERL, Shell scripts
- Electronic Debugging and Analysis Equipment: Oscilloscopes (Tektronix, HP), Spectrum Analyzers (Agilent), Function and waveform generators, TDR

**Experience:** *Experient, Inc., Frederick, MD*

**Senior Application Developer** July 2006–Present  
**Application Developer** September 2005–July 2006  
**Contract Application Developer** March 2005–September 2005

- Delivered software products with complex or difficult requirements to top strategic clients.
- Performed maintenance and improvements to internal Framework and Base Show software
- Developed a Batch Validation tool that identifies and corrects problems with imported data
- Created a Content Management System to manage text content embedded in existing web applications
- Developed a new high-efficiency database access layer
- Built trade show and exposition registration applications and web interfaces in C# .NET
- Developed, and assisted in the development of new software products and improvements to existing products
- Provided technical support to staff in-house and on-site

*Berk-Tek, Inc., New Holland, PA*

**Engineering Co-op (Internship)** May 2002–December 2002

- Implemented and maintained software to operate and synchronize communication test equipment
- Designed and ran experiments to test gigabit Ethernet and fiber optic communications equipment

*Systemics, Inc., State College, PA*

**Computer Programmer, C++** September 1999–July 2000

- Programmed and debugged web CGI applications in C++
- Developed and implemented an online drug database for the Association of Community Cancer Centers (<http://www.accc-cancer.org/>) on a three-person team

*Penn State University, University Park, PA*

**Student Mentor** January 2000–May 2000

- Answered questions and advised students of an intermediate level C++ programming class
- Tutored groups of students in general computer use topics

*Freelance Consulting*

**Penn State University, University Park, PA** 2001

- Recovered data from a damaged Linux dedicated server

**Society of Plastics Engineers, Brookfield, CT** 1996

- Designed, implemented, and maintained test item data bank software for the Institute of Plastics Certification exam

**Education:** **Bachelor of Science in Electrical Engineering**  
Pennsylvania State University, University Park, PA  
Graduation Date: August 2004