

Objective

To find employment in a forward thinking environment that offers challenges on both technical and innovative levels of computer engineering. To be part of a design team that is open to creative approaches in problem solving.

Skills

Programming Languages/Markup: C#, C++, ASP, ASP.NET, SQL, JavaScript, COM, XML, HTML, VB Script, UML, C.

OS Experience: Windows, Linux, UNIX (Solaris), Macintosh.

Software: Microsoft Visual Studio .NET, Microsoft SQL Server, Microsoft IIS, MATLAB, Microsoft Visio, Microsoft Office 2003, Emacs, GCC, G++, Adobe Photoshop, GIMP.

Arrowsight

2004, Sept. – 2005, Nov. *Software Developer* Mt. Kisco, NY

Arrowsight provides web based solutions for remotely reviewing video and events for quality assurance in retail, manufacturing and food processing.

- Introduced an Object Oriented approach to JavaScript development that allows for maintainability and reusability.
- Developed a standalone report generator in JavaScript that aggregates statistical information based on user requests without a need for a server connection.
- Designed and implemented site functionality that reduced server request and interface lag time.
- Worked to migrate Arrowsight’s web-based system from ASP to ASP.NET.

United Nations – ITSD

2003, June – Aug. *Consultant, Technical Lead* New York, NY

United Nations – ITSD (Information Technologies and Services Division) develops software and provides technical consulting to all branches of the United Nations (UN).

- Developed and tested a plan for the data cleanup of UNICTS, a United Nations MS SQL database of all technology systems within the UN.
- Led data cleanup group and managed tasks during the UNICTS cleanup process.
- Documented all progress of UNICTS data cleanup and made recommendations for the future maintenance and structure of the database.
- Evaluated and recommended software management products for use by ITSD.

Figure9

2000, May – Aug. *Management Committee, Equity Holder* New York, NY

Figure9 was a software database company that provided consumer electronic information to retailers that could better assist in resolving technical issues with their customers.

- Worked to develop corporate identity and goals.
- Developed and tested algorithms for rating consumer electronic products within Microsoft Excel; finalized testing of selected algorithms in Java.
- Maintained and enhanced site functionality; increased ease-of-use.
- Developed an Intranet/Internet style guide for Figure9’s online content.
- Developed an online tutorial to properly acclimate new employees to Figure9’s intranet.

Vontobel USA Inc.

1999, May – Aug.

Internship, Computer Consultant

New York, NY

Vontobel is a Swiss financial institution that specializes in asset management.

- Developed Windows batch files to catalogue information regarding individual workstations.
- Responsible for the development and implementation of a comprehensive Y2K strategy.

Syracuse University – Masters of Science

2004-2005

Computer Engineering

Syracuse, NY

Masters in Computer Engineering with a focus in Software at the L.C. Smith School of Engineering.

- Projects to note are the development of COM components, web based applications in ASP/ASP.NET, remote serialization via socket connections in C++, remoting with XML in C#, code structural analysis with XML in C++ and C#.

Classes Of Note: Object Oriented Design; Design Patterns; Software Modeling and Analysis; Software Engineering (Doctorate Level); Internet Programming; Systems Assurance; Advanced Computer Architecture; Distributed Objects; Database Management Systems.

Syracuse University – Bachelors of Science, Dean's List

1999-2003

Computer Engineering

Syracuse, NY

Major in Computer Engineering with a minor in Electrical Engineering at the L.C. Smith School of Engineering.

- Developed SwitchMe, a senior design project that extends mobile phone functionality to switch its ring settings dependent on its environment (lecture halls, movie theaters).
 - Specifically, SwitchMe changes the ring mode of cell phones by making use of Bluetooth technology and Symbian OS to provide a standard solution.
 - SwitchMe was developed in C++ using Microsoft Visual Studio 6.0 and Stone Street One's Bluetooth development kit.
- Received the *Louis N. DeMartini Award for Innovative Undergraduate Research* from Syracuse University as a result of SwitchMe's success.
- Received an award from IEEE engineering society for best senior project (SwitchMe) in 2003 and best junior design project (developed an electronic scoreboard for a toy racetrack using magnetic switches and a microcontroller) of 2002 at Syracuse University.
- Member of the Syracuse Linux User Group (slugs.syr.edu). Have participated in the development of applets for the BlackBox window manager.
- Developed and ran a college radio show and assisted in station promotion.

Software Design Courses: Design of Operating Systems; Windows Programming; Principals in Software Design and Engineering; Introduction to VLSI Design; Ethical Aspects of Computer Engineering; Algorithms and Data Structures in C++; System Software Design in Assembly/C.

Control Systems Courses: Control of Robots; Linear Control Systems; System and Signal Analysis; Communication and Control Systems; Electrical Engineering Fundamentals.

Engagements & Articles

Presented: "Bluetooth, The Wireless Solution," Greater Syracuse Chamber of Commerce, Syracuse, September 2003.

Article: "SwitchMe - Solving the inappropriate ringing problem?," by Richard Bloor, April 2003, weblink: http://www.wirelessdevnet.com/symbian/rb_50.html

Interests & Other

Interests include web design, graphic design, skiing, film, literature and writing.

Dual US and European (EU) citizenship; spoken fluency in Danish, working knowledge of Swedish.