

# Sidney Cammeresi, IV

## Objective

I am presently looking for employment which will allow me to use my technical skills, problem solving, and planning abilities to solve bigger, more challenging problems.

## Recent Experience

### Senior R&D Engineer, Vizioncore

Buffalo Grove, Illinois

August 2007 – present

- Overhauled backend backup and restore tools; created a new, more flexible backup format to make file-level restore possible; used C on Linux
- Researched performance issues, conducted benchmarking; influenced company marketing

### Software Engineer, Telsasoft

Burnsville, Minnesota

August 2004 – July 2007

- Led overhaul of entire product line and implementation of next generation client/server software for cellular network performance monitoring (alarm notification, operational measurement collection, reporting, and capacity planning)
- Made architecture and design decisions; produced internal tools to aid development; used customer feedback to assist in organizing and prioritizing development goals
- Wrote Linux server software using Python, PostgreSQL, PostGIS, SNMP, and CORBA; wrote multi-user client software for Windows using C#, .NET, and XMLRPC
- Provided second-level support to users spanning fifteen companies; trained first-level support to answer routine questions and teach best practices to users

### Contractor, Bit7, Inc.

Mundelein, Illinois

- Developed a client to query and control parameters on a medical device (a nitric oxide delivery system) using C#, .NET, and a Python simulator

### Visiting Software Development Specialist, University of Illinois

Urbana, Illinois

March 2003 – July 2004

- Designed and implemented a compiler in Python on Linux to accept a database schema in XML as input, which output PHP scripts to maintain those data; used this tool in creation of multiple database-backed web sites
- Created a database and a web interface to help a departmental group keep track of work and deadlines, used PHP, Python, SQL, PostgreSQL stored procedures, shell scripts, and XML/XSL
- Provided technical advice and opinions to department's systems administrator, web developers, and other software developers

### Strategic Architect, National Association of Realtors

Chicago, Illinois

May 2002 – August 2002

- Initiated a project in conjunction with permanent staff to build a lockbox using Java-powered cryptographic iButtons as authentication devices

## Education

1997 – 2003, University of Illinois at Urbana-Champaign

Urbana, Illinois

- Received an MCS (Master's of Computer Science) in May 2003; GPA of 3.6; coursework included theory, distributed component systems, real-time systems, computational complexity, object-oriented programming, networking, and parallel programming
- Received a BS in Computer Science in May 2000; GPA of 3.4 with a 3.5 in Computer Science; coursework included operating systems, programming languages, and compilers
- Was active in the student ACM chapter, was chair of the Special Interest Group for Operating Systems; was president of the Synton Amateur Radio Club

## Skills

- **Programming Languages:** C, C++, C#, Java, Python, Ruby, PHP, SQL, shell scripting, Objective-C (limited)
- **Databases:** PostgreSQL, MySQL
- **Markup Languages:** HTML, XML/XSL, L<sup>A</sup>T<sub>E</sub>X
- **Operating Systems:** Linux, OpenBSD, Mac OS X, FreeBSD, Solaris, other UNIXes, OpenVMS (limited)
- **Services:** web (Apache), mail (Postfix), DNS (Bind), NFS, Samba, Kerberos V, AFS (Andrew File System), Asterisk PBX server (limited)
- **Frameworks:** .NET, Ruby on Rails, Cocoa (limited)
- **Other:** Git, Subversion, CVS, TCP/IP, multithreaded code (POSIX and Windows), object-oriented analysis and design, Xen hypervisor, VMware ESX

## Citizenship

I am a citizen of both the US and Italy and may work anywhere within the US or EU/EEA/Switzerland.

## Languages

I am a native speaker of English and am conversational in Italian.

La mia madrelingua è l'inglese e posso conversare nell'italiano.

## Awards

Ranked in the top ten percent of teaching assistants campuswide in the *Incomplete List of Teachers Ranked as Excellent by Their Students*, Fall 2001.