
Ian Wesley-Smith <i.wsmith@computer.org>

(225)772-8815
2058 Myrtle Ave.

<http://cct.lsu.edu/~iwsmith>
Baton Rouge, LA, 70806

EDUCATION

Louisiana State University

Undergraduate in Computer Science

Currently pursuing a B.S. in Computer Science with a minor in Mathematics.

Fall 2004 - Present

<http://www.lsu.edu>

Slidell High School

Graduated cum laude

Fall 2000 - Spring 2004

WORK EXPERIENCE

Center for Computation and Technology - Louisiana State University

Visualization Group

Undergraduate Researcher

Currently conducting research on distributed visualization solutions such as IBM's RVN and HP's RGS. Also investigating on GPU compression techniques and integrating them into collaborative environments.

Spring 2007 - Present

<http://cct.lsu.edu>

Internals

Systems Administrator

Maintained Linux and Macintosh workstations for the visualization group, including experimental configurations such as stereoscopic displays, large multi-display systems, and 10 Gig systems. Also supported high-end and experimental software packages, including Maya, Amira, and IBM's RVN product.

Summer 2006 - Spring 2007

<http://www.cct.lsu.edu/computing/internals>

CactusCode Project

Frameworks Group Programmer

Ported a remote real-time visualization application known as IsoView from VTK to an OpenGL implementation. IsoView is a stand alone application which allows users to remotely visualize Cactus runs in real time. Then worked on a Parallel Artificial Neural Network implementation using PETSc and worked to update the Cactus Render thorn.

Fall 2004 - Summer 2006

<http://www.cactuscode.org>

Masaryk University - Brno, Czech Republic

Institute of Computer Science - Supercomputing Center

Programmer

Implemented an OpenGL frontend and real-time image compression for UltraGrid, a HD video conferencing research project. The compression lowered the bandwidth requirements by a factor of 8, and was demonstrated at the Global Lamda Integrated Facility (GLIF) conference in Prague, September 2007.

Summer 2007

<http://www.muni.cz>

Argonne National Lab

Infrastructure Assurance Center

Systems Administrator

Deployed several Linux webservers and integrated the Plone CMS with ActiveDirectory. Also worked with parallel Mathematica.

Summer 2005

<http://www.iac.anl.gov>

Naval Research Laboratory

Ocean Dynamics and Prediction Branch

Systems Administrator

Supported 150 Linux and Solaris workstations. Helped deploy several new technologies, including LDAP. Created a web-based computer tracking system which is still used to generate license files, DHCPD configuration files, and patching systems.

Fall 2003 - Spring 2006

<http://www7320.nrlssc.navy.mil>

PUBLICATIONS

Ian Wesley-Smith. A parallel artificial neural network implementation. In *Proceedings of NCUR, 2006*.

ACTIVITIES

Association of Computing Machines at Louisiana State University

President

Fall 2007 - Present

Treasurer

Spring 2006 - Fall 2007

Web Master

Spring 2005 - Spring 2006

Programming Contest Team

Spring 2006 - Present

Captain

- Bearing Point Spring 2007 Invitational - 4th place
- ACM ICPC South Central Regional Fall 2006 - first in state

TECHNICAL SKILLS

Languages C/C++, Scheme, Python, Bash, PHP, OpenGL/GLSL

Environments Linux, Solaris, Windows

Tools GNU Toolchain, SVN, Eclipse, Vim