

Technical Report

TR-2007-008

Test Title

by

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MATHEMATICS AND COMPUTER SCIENCE

EMORY UNIVERSITY

Sebastien Siva

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Personal Details

Date of Birth: 11/25/1976

Nationality: Belgium

Marital Status: Single

Personal Profile:

A computer science master's student with some industry experience and a computer-engineering undergrad. Seeking a PhD in computer science with hopes of getting a university faculty position.

Key Skills:

- C, C++, Perl, Fortran, and Java Programming Languages
- Front-End Web Development with DHTML / JavaScript
- Back-End Web Development with various Java and J2EE frameworks
- Basic Relational Database / SQL skills
- Unix, X-Windows, and MPI C Programming Environments
- Operating System experience in Mac OS X, Windows NT/2000/XP, UNIX, Linux
- Systems Programming
- OS Kernel Development
- Compiler Development
- Experience with Matlab, Mathematica, and Maple.
- Experience with Latex markup language

Key Achievements:

- Designed, implemented, and simulated a new P2P communication primitive for my master's thesis.
- Implemented a UNIX like micro-kernel in C supporting low level system calls.
- Helped, as part of a team, develop a multi service web portal on top of HP's E-speak technology.
- Integrated a desktop PC and a Super-Nintendo game console, using an oscilloscope and breadboard, allowing users to write C code to directly control an avatar in a game.

Employment History

May 2006 - present

Emory University

Unix Systems Administrator for department of
Math and Computer Science

Key Responsibilities:

- Maintain and configure a complex combination of Solaris, Mac OS X, Linux, and Windows machines. This includes NFS servers, two HPC clusters, 100s of client machines, and a 20-terabyte data warehouse.
- Currently migrating all user authentication to one central LDAP repository used by all Operating Systems mentioned above.
- Web page development in PHP, DHTML
- Application support including email, compilers, math tools (Matlab, Maple, ...) and many more.

1999-2002

Hewlett Packard

IT technical Staff

Key Responsibilities:

- Researched and selected standards for emerging middleware technologies for enterprise application integration.
- Developed proof-of-concept prototypes and documentation enabling transitions from legacy middleware frameworks into new, cutting edge architectures.
- Researched wireless technologies and strategies, including security and device compatibility, for company wide infrastructural decisions.
- Operating system administration

1997-1999

Hewlett Packard
Student Internship

Key Responsibilities:

- Worked as a college intern for 3 3-month fulltime shifts as an IT advisor.
- Windows NT administration / installation / migration
- Web Development

Education and Training

1994-1999

Georgia Institute of Technology

B.S. in Computer Engineering

GPA: 3.7 (out of 4.0)

2004-2006

Emory University

M.S. in Computer Science

GPA: 3.9 (out of 4.0)

Hobbies and Interests:

Rock Climbing, Skiing, White-water Kayaking, Board/Video Games, Science Fiction