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Objective

Seeking a position allowing me to utilize my skills in object-oriented programming and user interface and multimedia applications..

Experience

Graduate Research Assistant
09/95 to current

College of Computing, Georgia Institute of Technology, Atlanta GA

Designing user interface for Classroom-2000 project on Apple Newton using Newtonscript. Develop interface to back end Unix servers to upload annotations and convert them to HTML.

Summer Intern
06/95 to 09/95

Schlumberger Austin Systems Center, Austin TX

Design and Development of graphical editor for generating reports in well log standard from binary log data. Extensive use of ODBC classes in MFC and creation of OCX's to provide interface with back-end code in C/C++ to human interface in Visual Basic.

Graduate Research Assistant
09/94 to 06/95

College of Computing, Georgia Institute of Technology, Atlanta GA

Research, Design and Development of Hypermedia Interfaces to Multimedia Databases. Exploring architectural issues for database interoperability. Designing and developing user interfaces and prototypes in application domain of on-line purchase of vehicles. Back-end server running on Rdb/AlphaVMS. Clients on NT Workstations linked via TCP/IP using local cache database.

Research Assistant
01/94 to 06/94

Department of Computer Science, University of Hong Kong, Hong Kong

Design and development of a Network Audio Broadcast system using DEC's AudioFile and Tcl/Tk. Evaluated the use of an object-oriented framework like ACE for the networking code. Setup and administered lab's WWW server.

Member of Technical Staff
07/92 to 8/93

Ravi Database Consultants Pvt Ltd., Bombay INDIA

- Member of development team of MediaDB, an object oriented multimedia database built upon the Exodus storage manager from Univ of Wisconsin Madison[1].
- Developed various collection classes and classes for audio and bitmap images.
- Designed a graphical user interface for a medical imaging application and interfaced it to a prototype OODB developed in house.
- Developed an Electronic Parts Catalog for a leading Indian automobile manufacturer. This project used the OODB as its back-end. Designed the initial GUI and interfaced it with the database. Approximately 65 non-GUI classes in the application.

Computer Experience

Platforms

- MS-DOS, Windows NT 3.5,Windows 3.1/3.0, Novell Netware, SunOS,Solaris

Languages

- C++,C,Pascal,Basic,Lisp,Tcl/Tk,Perl,Python,Java.

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1. MediaDB An Object-Oriented Multimedia Database and Application Development Kit, presented at InfoCom 1993, Bombay November 1992

Papers

"An Object Oriented operating system using Client- Server Model" Regional IEEE student paper Symposium, Bombay Nov 1991

Education

M.S, Computer Science
March 1996 (Expected)

Georgia Institute of Technology

B.E, Computer Engineering
May 1992

University of Bombay, INDIA

References

Provided upon request