Srikanth K. Agaram

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OBJECTIVE
To develop intuitive and interactive tools to enable users to organize and understand large amounts of real world data.

EDUCATION

M.S., Information and Computer Science (GPA 3.8) May 2005
University of California Irvine

Bachelor of Technology (Hons), Electrical Engineering May 2002
Indian Institute of Technology, Kharagpur

RESEARCH AND DEVELOPMENT

Research Assistant, CS Dept, UCI Jul '05—present
Ph.D. level research: Event centric organization of multimedia data to provide a uniform index into real world data.

- Developed an event centric direct manipulation user interface for the EC-ASSIST project funded by DARPA. The application allows the search and presentation of multimedia and sensor data collected on military patrols.
- Designed a generic model for events and event types that can be used across multiple applications.
- Developed and extended an event database system to store and search multimedia events.
- Designed and developed an event centric multimedia management cycle and its web based implementation.

Research Consultant, CS Dept, IIT Kharagpur Jul '02—Jul'03
Led a project titled "Adaptive Content Management" to provide school students with content based on their interests and skills.

- Designed an ontological model to represent subject specific concepts and their relationships.
- Developed a web based application to allow multiple teachers to enter new concepts into the knowledge base independantly.

Summer Intern, Intergraph Systems May '01—Jun '01
Developed a client-server tool to distribute the compilation process onto multiple machines, reducing the build times from 8 hours to 1 hour.

PUBLICATIONS

ACM Multimedia Oct 2006
Event-Centric Multimedia Data Management for Reconnaissance Mission Analysis and Reporting
AAAI Workshop on Event Extraction and Synthesis Jul 2006
Event Discovery in Multimedia Reconnaissance Data Using Spatio-Temporal Clustering

TOOLS AND EXPERIENCE

C/C++ : 10 years experience in multiple codebases.
Java : 7 years experience especially in interface and web application development.
Servlets, Ruby on Rails and other web development tools : 5 years experience in web applications and web interfaces.
XML : 5 years experience in knowledge representation and organization.
Unix shell scripting: 10 years as informal guru of local research group.

CONTACT INFORMATION

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