

Shvetha Soundararajan

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OBJECTIVE

Full time position from summer 2008

Special interests in Agile Software Development, Requirements Engineering, Usability Engineering, User Interaction Design, Information Storage and Retrieval and Human-Computer Interaction

EDUCATION

MS in Computer Science, expected May 2008

Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA

GPA: 3.74/4

Bachelor of Engineering in Computer Science, June 2006

KCG College of Technology affiliated to Anna University, Chennai, India

Aggregate for the entire course of study [2002-2006]: 84.5%; GPA: 3.91/4

COMPUTER SKILLS

Languages/ Technologies

C, C++, C#, Java, HTML, XML, SQL, Visual Basic, Java Script, PHP

Operating Systems

DOS, Windows 98, 2000, UNIX

Databases

Oracle 8i, MS Access, MySQL

IDE, Web Application Framework, Other Tools

Cocoon, Maven, MORAE, JasperReports

CURRENT AND PREVIOUS EMPLOYMENT

Graduate Research Assistant, Educational Technologies, Virginia Tech

[August 2007 – May 2008]

Responsibilities include

- Contributing to the usability engineering life cycle during the development of new open-source educational tools
- Performing ethnographic studies
- Designing user interfaces and building rapid prototypes
- Performing formative user evaluation and producing end-user documentation

Usability and User Interaction Design Specialist, Educational Technologies, Virginia Tech

[May 2007 – August 2007]

- Worked with the university community [faculty and students] to elicit needs for a new open-source educational tool
- Performed Ethnographic Studies
- Developed screen designs and performed user evaluations of the designs

Graduate Research Assistant, Institute for Distance and Distributed Learning, Virginia Tech

[January 2007- August 2007]

- Developed reports for the end-of-course evaluation system maintained for the online courses using JasperReports, an open-source Java reporting tool.
- Developed macros to help faculty assess student skills for eLearning courses
- Performed Gap analysis, administered student feedback surveys and documented results for ongoing assessment projects with the Virginia Bioinformatics Institute and Agricultural Technology Department, Virginia Tech
- Helped develop presentations and artefacts for a faculty workshop titled eLearning Assessment Methods

RELATED EXPERIENCE

Course Project for Information Storage and Retrieval Class, Virginia Tech, Spring 2007 (Project currently funded by Microsoft)

- Member of a two-person team
- Developed a working prototype for annotating images (captured using a Microsoft SenseCam) on a tablet PC and text-based search and retrieval of images
- Used C# and the Microsoft Tablet PC SDK
- The Microsoft project will be built on the prototype developed

Course Project for Digital Libraries Class, Virginia Tech, Spring 2007

- Member of a four-person team
- Designed user interfaces for a Digital Library that would be used by the students of Virginia tech
- Developed prototypes for the screens
- Performed formative evaluations of the prototypes

Course Project for Software and Usability Engineering Classes, Virginia Tech, Fall 2006

- Member of a three-person team
- Developed an inventory control and billing system for the Virginia Tech Horticulture Club
- Used Java and MySQL.
- Learnt and applied both Software and Usability Engineering processes to the product.

Course Project, India Comnet International Pvt. Ltd. Chennai, India, January-April 2006

- Member of a two-person team
- Developed a system for monitoring client machines; the server is the monitoring agent.
- Used Java and Oracle 8i.

Summer Internship, Orchid Soft India Pvt. Ltd, Chennai, India, May-June 2003

- Member of the Design Team for a project titled RESOURCE MANAGEMENT SYSTEM.
- Learnt the software engineering process life cycle.

Summer Internship, Sparr Electronics Ltd., Chennai, India, July-August 2003

- Developed an Inventory Control System
- Used Visual FoxPro for the system

AWARDS AND ACHIEVEMENTS

- Received cash awards from college for excellent academic performance during undergraduate studies.
- Entitled a full scholarship scheme for obtaining a score among the top 15% at the national level in "National IT Aptitude Test" conducted by National Institute of Information Technology [NIIT] institute, India in 2004.
- University 1st rank in Mathematics [Undergrad coursework] in the 1st and the 3rd semesters in India.
- Won the "Best Student Award" from school in 2000.