

CHANDAN DASGUPTA

OBJECTIVE

Full time position in the field of HCI involving interaction design using industry experience and new academic insights and skills. Interest in all aspects of life cycle development with focus on analysis and design.

EDUCATION

- Master of Science in Human-Computer Interaction** (*expected May '09*) 08/2007 - present
(Georgia Institute of Technology, Atlanta) **GPA: 3.74/4.0**
- Bachelor of Engineering (Honors) in Computer Science & Engineering** 08/2000 - 06/2004
(Institute of Technology and Management, Gurgaon, India)
Ranked 5th in the Computer Science Department

SKILL SET

Design: Flash CS3/CS2 (ActionScript 3.0/2.0), Illustrator CS3, Photoshop CS3, InDesign CS3
Program: C++, PHP, Visual Basic 6.0, SQL, RPG/400, CL/400

RESEARCH EXPERIENCE

- Graduate Research Assistant – Learning by Design Lab** 05/2008 – present
(Georgia Institute of Technology, Atlanta, Georgia)
- Collaborating on a team to develop educational software to be used in conjunction with a design-based science curriculum, where learners learn science in the context of designing artifacts.
 - Developing a Case Library using ActionScript 2.0 that will scaffold the process of learning the science content, promote explanation capabilities, and promote successful and creative designs.
- Graduate Research Assistant - Human Factors and Aging Lab** 01/2008 – 05/2008
(Georgia Institute of Technology, Atlanta, Georgia)
- Assisted researchers with the CREATE project (*Center for Research and Education on Aging and Technology Enhancement*, supported by the *National Institute of Health* and the *National Institute of Aging*)
 - Developed an interface using ActionScript 3.0 that allowed researchers to run instructional media and then update a log file with all the necessary usability statistics.
 - Programmed the iCat Robot so that its interaction with older adults could be observed and recorded.

RESEARCH PROJECTS

- Social Learning of Object Affordances in robots** 01/2008 – 05/2008
(Georgia Institute of Technology, Atlanta, Georgia)
- Human-Robot Interaction project where we investigated the role of a social partner in learning affordances by using an upper torso humanoid having 8 degrees of freedom (created out of parts from the Bioloid Robotics Kit).
- Brain Lab Research Group** 08/2007 – 12/2007
(Georgia Institute of Technology, Atlanta, Georgia)
- The Aware Chair - a neurally-controlled wheelchair that provided environmental control and communications based on contextual information such as who was in the room, time of day, user habits and routines, and a conversational history

- Studied existing environments and controls that could be used with an obstacle avoidance powered wheelchair

Tackling childhood obesity with technology
(Georgia Institute of Technology, Atlanta, Georgia)

08/2007 - 12/2007

- Team project with CNN; developed a proof of concept using Flash CS3 and HP Pocket PC that enabled children to make wise decisions regarding their food habits and also encouraged them to lead a balanced lifestyle with adequate exercise

PROFESSIONAL EXPERIENCE

Support Analyst
(Xchanging Technology Services, Haryana, India)

06/2006 - 07/2007

- Prepared and validated functional and technical design documents; involved with all aspects of software life-cycle with primary focus on software design, development, and code review.

Software Engineer
(HCL Technologies Ltd., Haryana, India)

07/2004 - 05/2006

- Involved in software design, testing, and defect analysis; performed code reviews and unit testing of modules and also provided functional feedback to the client (*Infor Global Solutions, previously MAPICS Inc., USA*)

AWARDS

- 3rd prize at a Technical Conference during the annual Cultural and Technical Symposium '03 (Institute of Technology and Management, Gurgaon, India)
 - Presented papers on “*Intelligent homes – A reality*” and “*Brain power – An insight into the human mind*”
- Merit Certificate by the Director of Education - National Scholarship Scheme, India

EXTRACURRICULAR ACTIVITIES

- President of the non-profit student's organization “Asha for Education” (Georgia Tech chapter) (*Asha's mission statement: To catalyze socio-economic change in India through education of underprivileged children.*)
- Participating in the Atlanta Thanksgiving Marathon 2008 to help raise funds for Asha.
- Co-founder of “Citizens Action Group” with the non-profit organization Child Rights & You (CRY)
- Lead organizer of the “Movement from Self to Society” workshop for school children with CRY Project partner – Nav Shrishti
- Helped organize and participated in many child rights awareness campaigns by CRY
- Coordinated “On the Spot Programming Contest” during the annual Cultural and Technical Symposium '02 (Institute of Technology and Management, Gurgaon, India)
- Technical advisor for Computer Engineers Society (A student chapter of ITM Engineering Society)
- Member of Computer-Human Interaction (CHI) Atlanta.