Vedrana Novosel

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EDUCATION

Georgia Institute of Technology, Atlanta, Georgia
M.S. in Human-Computer Interaction (Computing Specialization) expected May 2011
- *GPA*: 4.0

Duke University, Durham, North Carolina
B.S. in Electrical & Computer Engineering and Certificate in Info. Science & Info. Studies (ISIS) in May 2009
- *GPA*: 3.744; *ECE GPA*: 3.823; *ISIS GPA*: 4.0
- Dean's List; Member of Eta Kappa Nu honor society; Received scholarships from GE & Microsoft
- Study Abroad at the University of New South Wales, Sydney, Australia in Fall 2007

PROJECTS

- How to Destroy the World with Nanotechnology: Comic style choose-your-own-adventure game showcasing catastrophe scenarios caused by nanotechnology
- Nanotrek: Flash timeline of the history of nanotechnology in fiction
- ViviVieW: Video tagging system intended for content sharing and embedded advertising
- OnTheRoad: Flash road trip game
- TravelMap: Map-based travel destination and flight exploration web widget
- Ticket Tap: Airport way finding system project, involving problem space analysis, design alternatives development, Flash prototyping, and usability evaluation
- Nabu: Location-based question and answer forum application for iPhone
- Exermote: Exercise-controlled TV remote project, including Wii remote prototype and user study
- Food court traffic flow project, involving human factors analysis and development of improvements
- ISISMapping: Mapping toolkit employing mobile GPS devices and a web interface
- SPACES: Immersive 3D virtual version of Duke University's course registration system
- Java programs including image manipulation, 20 questions game, file compression, and P2P chat
- Engineering projects including mini driving robot, digital clock, and Ethernet switch
- Several small graphics, design, film, and writing projects

WORK AND RESEARCH

RNOC Lab Research Assistantship with Dr. Russ Clark, Georgia Tech, Jan. 2010-present
- Designing & developing GTmob, a cross-platform, crowdsourced mobile widget portal for campus
- Improving & maintaining lab website using Drupal
- Created news viewer polling widget for television platform
- Developed campus friend locator applications for iPhone and e-mail platform

Synaesthetic Media Lab with Dr. Ali Mazalek, Georgia Tech, Jan.-Aug. 2010
- Designed interactive tangible tabletop application for television news anchors
- Developed viewer opinion submission applications for Android phones and web browsers

Teaching Assistantship, Electrical & Computer Engineering Department, Georgia Tech, Aug.-Dec. 2009
- Created promotional and organizational materials for the Opportunity Research Scholars Program

Smart Home Fellow, Duke University, Aug. 2008-May 2009
- Programmed stress reducing music player that adapts based on user inputs

Cisco Systems Internship, Research Triangle Park, NC, May-Aug. 2008
- Performed security testing on wireless product and created team website

Visualization Analysis Lab with Rachael Brady, Duke University, Jan.-Apr. 2008
- Designed sound engine for 3D virtual kitchen study in 6-sided virtual reality theater (the DiVE)

AWARDS AND INVOLVEMENT

- First place in Interactive Television in Convergence Innovation Competition for ViviVieW project
- "Tangible Anchoring: Grasping News and Public Opinion" paper presented at 2010 ACE conference
- Student Volunteer at 2010 CHI conference
- Winner of "Bad Design on Campus" contest

SKILLS

User Experience:
- Interface & interaction design (mobile, web, and novel interfaces)
- User studies and surveys
- Storyboarding
- Wireframing
- Prototyping
- Usability evaluation
- User experience principles

Programming:
- HTML & CSS
- PHP
- MySQL
- Javascript
- Java
- Objective-C/Cocoa Touch (iPhone)
- Android
- Virtools (virtual reality)
- Matlab

Software:
- Flash
- Photoshop
- Illustrator
- Dreamweaver
- Premiere & other video editing software
- Xcode/Interface Builder (iPhone)
- Microsoft Office products
- Eclipse
- Quartus
- Audacity

Other:
- Fluent in Bosnian