

# Isaac Kulka

Georgia Institute of Technology, School of Interactive Computing  
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## **RESEARCH AND CAREER FOCUS**

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Human-computer interaction, user experience design, mobile apps, augmented reality, interactive television.

## **PROFESSIONAL HIGHLIGHTS AND TECHNICAL EXPERTISE**

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- Ongoing graduate research in multiple laboratories at the Georgia Tech, Graphics Visualization & Usability Center.
- Intern experience performing R&D at major technology firm.
- HTML5, CSS3, XML, PHP, MySQL, WebSockets, Javascript, JSP, Java Servlets, and other web technology expertise.
- Mobile web app development.
- Java programming experience.
- Five years professional experience applying concepts of HCI and Computer Science in higher education IT.

## **EDUCATION**

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### **M.S. Human-Computer Interaction**

Georgia Institute of Technology, School of Interactive Computing  
Anticipated Graduation: May, 2012  
GPA: 4.0

### **B.S. Computer Science**

North Dakota State University, Department of Computer Science

## **RESEARCH EXPERIENCE**

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### **Augmented Environments Lab**, Georgia Tech (2010-present)

Graduate Research Assistant. Augmented reality mobile experience development for iOS devices

### **Research Network Operations Center**, Georgia Tech (2011)

Graduate Research Assistant. Augmented reality server-side development, Virtual Tour Guide application

### **Design & Intelligence Lab**, Georgia Tech (2010)

GAIA self-adaptive AI game-playing agent, theory and software development

## **PROFESSIONAL EXPERIENCE**

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### **Next Gen TV Experience Development Intern** (Summer, 2011)

*Motorola Mobility, Applied Research Center, Libertyville, IL*

Participated in R&D efforts toward designing interactive experiences to complement traditional television viewing. Accomplishments over this summer have informed future research directions at Motorola Mobility.

**Instructional Technology Support Specialist** (2005 – 2010)

*Viterbo University, La Crosse, WI*

Worked closely with local faculty, students and fellow IT professionals to identify and deploy new information systems supportive of teaching and learning. Specific responsibilities included establishing and maintaining services for streaming media, webinars, online learning systems, electronic portfolios, interactive whiteboards and classroom response systems.

**AmeriCorps VISTA Volunteer, Technology Specialist** (2003 – 2004)

*University of Wisconsin, Cooperative Extension, Milwaukee, WI*

*Tech Corps Wisconsin, Racine, WI*

Provided technological training, services and support for two non-profit organizations dedicated to serving the greater Milwaukee area. Responsibilities included increasing access to computer technology and online services, with a special emphasis on reaching out to underserved communities. Achieving a high level of impact through limited resources was a must.

**PRESENTATIONS**

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Wilczynski, M., Kulka, I., Young, K., Walden, T., and Ake., B. Dynamic Web Overlays for Broadcast Sports. Web Directions East, Tokyo, Japan, 2010.

Murray, D., Schafer, R., and Kulka, I. Constructing Evidence-based Learning Strategies with Digital Video Recordings. Teaching Professor Conference, Kissimmee, FL, 2008.

Murray, D., Morehouse, R., and Kulka, I. Building Blocks for Assessment, Electronic Portfolios. Teaching Professor Conference, Kissimmee, FL, 2008.