

Peter Kinnaird

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OBJECTIVE

I am seeking a Ph.D. in Human Centered Computing, Computer Science, or Informatics with an emphasis in information visualization, electronic governance, and social computing.

EDUCATION

Current: Graduation from Georgia Institute of Technology anticipated May 2010

Master of Science in Human-Computer Interaction

Current GPA: **3.85/4.0**

August 2007: Graduated from Georgia Institute of Technology

Bachelor of Science in Computer Science with Honor

Specializing in Human Computer Interaction

Overall GPA of **3.30/4.0**, GPA in Computer Science of **3.55/4.0**, GPA in HCI of **4.0/4.0**

ACCEPTED REFEREED CONFERENCE AND WORKSHOP PUBLICATIONS

1. Peter Kinnaird, Hafez Rouzati, Xin Sun. "Connect to Congress" *IEEE Information Visualization 2009*. (Poster and Extended Abstract): 47% Acceptance Rate
2. Peter Kinnaird and John Stasko. "Perspectives on Time: Enhancing Utility with Flexibility" *IEEE Information Visualization 2009*. (Poster and Extended Abstract): 47% Acceptance Rate
3. Peter Kinnaird. "Visualizing Government Data on the Web" *IEEE Information Visualization 2009*. (Workshop Position Paper)

PUBLICATIONS UNDER REVIEW

1. Peter Kinnaird, Mario Romero, Gregory Abowd. "Connect 2 Congress: Visual Analytics for Civic Oversight" *ACM SIGCHI Conf. (CHI 2010)*.
2. Tae Jung Yung, Hee Young Jeong, Peter Kinnaird, SeungEok Choi, Namwook Kang, Gregory Abowd. "Evaluating the Impact of Mobile Energy Feedback Systems on User Awareness" *ACM SIGCHI Conf. (CHI 2010)*.
3. Peter Kinnaird, Mario Romero. "Position Statement: Focus Groups for Functional InfoVis Prototype Evaluation: A Case Study." *BELIV'10: Beyond time and errors: novel evaluation methods for Information Visualization. ACM SIGCHI Conference Workshop*.

PUBLICATIONS IN PREPARATION

1. Peter Kinnaird and John Stasko. "Beyond Timelines: Interaction Techniques for Temporal Categorical Event Sequences." *IEEE Information Visualization 2010*.

2. Michael Hewner, Peter Kinnaird, and Mark Guzdial. "Building Communities to Improve Affiliation in Advanced Placement Computer Science Courses." *ICER 2010*.
3. Peter Kinnaird, et al. "Connect 2 Georgia: Longitudinal Evaluation of Visual Analytics in Journalism." *IEEE Information Visualization 2010*.

INVITED TALKS

1. Peter Kinnaird "Connect to Congress" *Georgia Tech GVU Brown Bag*. 10/29/2009
2. Peter Kinnaird "Perspectives on Time: Enhancing Utility with Flexibility" *Georgia Tech GVU Brown Bag*. 10/29/2009

RESEARCH ASSISTANTSHIPS

1. *December 2010 – Present*: With Dr. Irfan Essa
2. *November 2009 – Present*: with Dr. Rosa Arriaga
3. *May 2009 – September 2009*: with Dr. Gregory Abowd
4. *January 2009 – June 2009*: with Dr. Mark Guzdial
5. *August 2004 – May 2005*: with Dr. Amy Bruckman
6. *May 2004 – October 2004*: with Dr. Nicholas Schisler

RESEARCH EXPERIENCE

January 2008 – Present: Visualizing Political Transparency

Joined by Dr. Mario Romero and Dr. Gregory Abowd, I am building and evaluating a system designed to provide visualizations of usable statistical analyses of US Congress voting records. **We anticipate a paper in CHI 2010** presenting our system design and evaluation.

May 2009 – Present: Interfaces for Home Energy Consumption Monitoring

Working with Dr. Gregory Abowd and Tae-Jung Yun, I made substantial improvements (including design and prototyping of an Information Visualization system) for a Home Energy Consumption Monitoring system. **We anticipate a paper in CHI 2010** presenting our evaluation and conclusions.

December 2008 – Present: Communities in AP Computer Science

As a **Graduate Research Assistant**, working with Dr. Mark Guzdial and Mike Hewner, I am coordinating and conducting an experimental study of high school computer science students. The goal is to determine whether pairing these students with mentors within a

Computer Science specialization area improves their attitudes about Computer Science.
We anticipate a paper in ICER 2010 presenting our results.

August 2008 – Present: Information Visualization and Visual Analytic Techniques for Temporal Data

Working with Dr. John Stasko, I am investigating visual analytics techniques for temporal data including data with varying degrees of certainty. I am designing and building a system that will enable analysts to examine multiple perspectives of a single time period or event and gain new insights into the data. **We anticipate a paper in InfoVis 2010.**

August 2008 – Present: Religious Appropriation of ICTs

Working with Dr. Beki Grinter and Susan Wyche, I am assisting with the deployment and evaluation of a website tailored to assisting church community members with sharing spiritually significant photographs as part of their worship services.

January 2007 – May 2007: Empirical Methods in HCI

Studying under Dr. Beki Grinter, I participated in a research project on usable computer security by conducting interviews and ethnographic observations. I then performed an analysis of all compiled data from other participants and presented the results to the class. I received exceptionally high grades on all assignments in this class.

May 2006 – August 2006: Introduction to HCI: User Interface Design and Evaluation

Studying under Gillian Hayes I first developed a research topic within HCI (assisting users in the location of specific items in very large stores), then gathered and analyzed relevant data, rapidly developed a prototype, and conducted further evaluation of the interface using surveys, cognitive walkthroughs, and interviews.

August 2004 – May 2005: Research Assistant in Georgia Tech's Electronic Learning Communities Lab

As a research assistant in the Graphics, Visualization, and Usability unit at Georgia Tech, working under Dr. Amy Bruckman and her Ph.D. student, Jose Zagal, I attended team meetings and contributed to the overall design and usability features of a website which was used to conduct research in the field of educational technology.

May 2004 – October 2004: Research Assistant in Bioinformatics

As a research assistant in Bioinformatics at Furman University's Biology Department, I worked under Dr. Nicholas Schisler on a project titled: *Intron Evolution: Automated Phylogenetic Analysis System*. I handled all technological aspects of project including: Perl coding and shell Scripting for automation.

WORK EXPERIENCE

April 2007 – Present: Founder and CEO, P2K Media Group, Inc.

P2K Media Group provides web design, hosting, and consulting services to small businesses as well as pro bono web design and consulting to local non-profits.

August 2007 – August 2008: Consultant, Manhattan Associates Inc.

Manhattan Associates is a global supply chain solutions consulting firm. As Petsmart's primary support consultant, it was my responsibility to handle any incoming software bugs or glitches. Day to day tasks included: understanding customer needs and priorities, reproducing reported issues, capturing relevant production data, and determining the cause of the bug.

January 2006 – May 2006: Intern, Norfolk Southern Corporation

Norfolk Southern owns and manages much of the railroad track in the Southeastern United States. As an intern in the Norfolk Southern's Modalgistics Supply Chain Solutions Group, I developed two new in-house software applications. I performed all steps of software project lifecycle from start to finish including: Gathering Requirements, Design, Implementation, Documentation, Testing, Interface Evaluation, and Iteration.

June 2006 – August 2006: Student Assistant, German Language for Business and Technology

As a student assistant on the study abroad program, I acted as a co-editor of the program's newspaper, while simultaneously attending classes and conducting informal interviews with locals to become more proficient in the German language.

TEACHING EXPERIENCE

2008-2009: High School Science and Math Tutor

2002-2004: Computer Science Lab Assistant/Teaching Assistant at Furman University

2002-2003: Academic Tutor in Math and Computer Science at Furman University

ACADEMIC HONORS AND ACCOMPLISHMENTS

2008-2009:

1. Graduate Research Assistant to Dr. Irfan Essa of Georgia Tech
2. Graduate Research Assistnat to Dr. Rosa Arriaga of Georgia Tech
3. Graduate Research Assistant to Dr. Gregory Abowd
4. Graduate Research Assistant to Dr. Mark Guzdial of Georgia tech
5. Student Leader of MS-HCI Curriculum Overhaul
6. Student Representative to MS-HCI Faculty Directors Committee

2002-2007:

1. Graduated with Honor
2. Faculty Honor (1 Semester)
3. Dean's List (Multiple Semesters)

4. Computer Science in the Liberal Arts Scholarship: Recruiting Computing Professionals for a New Era
5. HOPE Scholar
6. Campomoar Scholarship recipient
7. Student Assistantship (Germany Study Abroad)

SERVICE

August 2008 – Present:

Georgia Tech MS-HCI Student Activities Board

Georgia Tech MS-HCI Student Representative to the Faculty

January 2007 – Present:

Church Youth Group Leader and Mentor

Church Website Design/Maintenance

Church Young Adult Coordinator

Church Leadership Committee

2002-2006:

College of Computing Student Activities Board

Freshman Advisor

COURSEWORK

Research Design

Human Factors in Engineering

Information Visualization

Masters Project (2 semester independent study) in Information Visualization

Human Centered Computing

Independent Study in Visual Analytics and Information Visualization

Independent Study in Religious Appropriation of Interactive and Communications Technologies

Empirical Methods in Human Computer Interaction

Introduction to Human Computer Interaction: User Interface Design and Evaluation

Introduction to Database Systems

Philosophical Issues in Computation

Design and Analysis of Algorithms

Languages and Compilers

Software Practicum

Object Oriented Design

Technical Writing

Networks and Systems

Probability and Statistics

Combinatorics

German for Business and Technology

Music History, Sociology, Politics of the Middle East, Philosophy, Introduction to Christian Literature, Hinduism, Astronomy, and others.

References available on request.