

Matt McKeon

Human-centered Software Development

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Objective: -----

The creation of **innovative user experiences** through a position that requires **software expertise** and a deep understanding of **usability**.

Skills: -----

- **Analysis of user needs** through archival study, interviews, and ethnographic methods.
- Task analysis, conceptual modeling, and other **formative design methods**.
- Iterative **prototyping**, including user interface design and layout.
- **Evaluation** through heuristic methods, cognitive walkthroughs, and user testing.
- **Six years of professional software development** experience.
- Proficient in **object-oriented design and development**, API design and rapid prototyping.
- **Expert programmer in Java**; additional experience with **C, C++, C#, Python, and Perl**
- **Web development** in Javascript, PHP, and ASP.NET using **HTML & CSS2 web standards**.
- Experience with SQL-compliant databases, AJAX techniques, and web services.
- Proven skills in **software project leadership** and **client relations**.

Education: -----

Georgia Institute of Technology; Atlanta, GA

Expected Graduation: May 2006

M.S. in Human-Computer Interaction

Carnegie Mellon University; Pittsburgh, PA

Aug. 1994 - May 1998

B.S. in Computer Science and English

Experience: -----

Graduate Coursework

Georgia Institute of Technology; Atlanta, GA (August 2004 - present)

- **Extensive portfolio of projects** in user interface design, development, and evaluation, including **web design, mobile device UIs, online communities, & physical computing**.
- Self-directed master's project, requiring original research in the field of HCI.

Graduate Research Assistant / Master's Project

Georgia Institute of Technology; Atlanta, GA (August 2005 – present)

- Collaboration with **industrial designers** and **architects** from Steelcase, Inc. to research **context-aware applications** for enhanced meeting rooms.
- Design, prototyping and evaluation of **tightly integrated physical and software interfaces** to meeting room services.

User Interface Developer (Intern)

Amazon.com; Seattle, WA (June – August 2005)

- While apprenticed to a senior web designer, **designed and prototyped key elements** of Amazon.com's Holiday 2005 features using **HTML, Javascript and AJAX**
- Assisted Amazon.com's usability team in the performance of **heuristic evaluations** for several components of the Amazon website, including gift registries and job recruiting.

Graduate Research Assistant

Georgia Institute of Technology; Atlanta, GA (August 2004 – May 2005)

- **Design and construction of a web application** that integrates hyperlinked commentary and production materials from American Film Institute servers with off-the-shelf DVD video. Scholars will use this application in the course of their research on classic cinema.

Consultant

MAYA Viz, Ltd; Baghdad, Iraq (May-June 2004)

- **Traveled to Baghdad** to conduct **user training, evaluation, and field support** during the deployment of the principal planning and decision tool of the Army's 1st Cavalry Division.
- Conducted **interviews**, administered **surveys**, and engaged in **participatory observation** of soldiers' everyday activities in a division-level command post.
- **Authored design documents** used to guide the exploration and development of new features.

Consultant

MAYA Viz, Ltd; Boston MA (October 2002 – July 2004)

- **Key developer** in a DARPA-sponsored software project that brought collaborative information visualization and analysis to military command posts.
- Assisted in the **transition of a prototype to production software** in less than 12 months.

Software Developer

MAYA Viz, Ltd; Pittsburgh PA (June 1998 – October 2002)

- **First employee** of a software company that develops **collaborative data analysis systems**.
- **Technical lead** for two successful projects that coordinated the efforts of multiple companies, each contributing their expertise to create collaborative **logistics analysis** applications.
- **Designed, built and maintained** three generations of a **Java-based component SDK for data exploration & GIS-based analysis**, with **asynchronous client & server components**.
- Teamed up with company sales to **analyze customer requirements, evangelize technology**, and work directly with potential clients.
- Collaborated with visual and interaction designers to build **unconventional dynamic visualizations and user-interface components**, which were used both for demonstration purposes and deployment in production environments.