

# Martin L. McCrory

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217.637.3815

## Objective:

Highly motivated, positive individual seeking an internship in the field of Information Technology, Informatics, or Music Information Retrieval (MIR) application development, which would employ my technical and/or musical knowledge towards the development of new technology in this rapidly growing sector of the IT and Human-Computer Interaction (HCI) markets.

## Summary of Qualifications and Skills:

- Knowledge of information systems, including object-oriented programming, database management, and classification/recommendation algorithm implementation
- Strong music technology skills, including R, Max/MSP, Finale, Sibelius, Cubase and signal processing
- Research experience in Informatics-related fields, including Human Computer Interaction and MIR systems
- Strong leadership and teaching experience
- Extensive music theory background, experience with musical analysis in any medium
- Familiar with creating and manipulating sound in both a digital and analog studio

## Technical Skills:

- *Languages:* C++, Java, PHP
- *Platforms:* Linux, Windows XP/Vista, Mac-OS
- *Databases:* MySQL, Microsoft Access
- *Miscellaneous:* Flash, Photoshop, R, HTML, CSS, FBML, Eclipse, Finale, Audacity, Office

## Education:

### Indiana University, Bloomington

(2007 – Present)

- Master of Science – Informatics (Concentration: Music Informatics)

### University of Illinois – Urbana/Champaign

(2003-2007)

- Bachelor of Music – Music Composition
- Minor – Computer Science

## Recent Work and Leadership Experience

### Software Development Intern, *myStrands.com*

(May 2008 – August 2008)

- Developing extensions of the myStrands music recommendation engine for the Facebook platform
- Acquiring practical knowledge of PHP and MySQL, as well as the Facebook Markup Language (FBML)
- Applying HCI knowledge to create a polished, easy-to-use finished product

### Associate Instructor, *School of Informatics*

(August 2007 – Present)

- Teaching Informatics 202, "Introduction to Social Informatics", Spring 2008 semester
- Taught Informatics 310, "Multimedia Arts and Technology", Fall 2007 semester
- Leading discussion sections for Informatics 202 and taught laboratories in Flash CS3 for Informatics 310
- Holding office hours, grading course materials and assisting in developing course curriculum
- Gaining problem-solving, decision-making and pedagogical skills, as well as knowledge in subfields of social informatics and development of new media

### Research Assistant, *Graduate School of Library and Information Sciences*

(June 2005 – August 2007)

- Participated in the organization of the international Music Information Retrieval Exchange (MIREX) contests
- Organized databases of music, maintained contest servers, updated web content
- Regularly developed oral and written communications related to the administration of the MIREX contests
- Learned and experienced real-world applications of music theory and information systems
- Strengthened my knowledge of database systems, used HTML to update group web pages, gained familiarity with the Linux platform