

Andrew McLeod

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Academic Experience

- 2014–Present **Informatics PhD**, *University of Edinburgh*, School of Informatics, Edinburgh, UK.
Supervisors: Mark Steedman (Primary), and Simon King (Assistant)
Topic: Automatic Music Transcription using NLP Language Modeling Techniques
- 2013–2014 **Research Associate**, *Emory University*, Atlanta, GA, USA.
Working with James Lu
Topic: Patchwriting and general NLP
- 2009–2013 **Math/CS joint BS/MS**, *Emory University*, Atlanta, GA, USA.
Advisor: Li Xiong
Thesis: *Automatic Transcription of Polyphonic Musical Signals with Linear Matching Pursuit*. <https://etd.library.emory.edu/view/record/pid/emory:d70pn>
Honors:
 - Dean's List in Fall 2009, Spring 2010, Spring 2011, Fall 2011, and Spring 2012.
 - 2012 Deborah Jackson Award winner for outstanding performance by an undergraduate student.
 - 2013 Trevor Evans Award winner for outstanding performance by a Math/CS major.
 - Selected to participate in Microsoft's "Golden Ticket" program (one of 50 students from around the US).
 - Placed 132nd out of 1515 teams in IEEE's IEEEExtreme 5.0 24 hour programming competition.

Industry Experience

- 2013–2014 **Technical Assistant**, *Math/CS Department*, Emory University, Atlanta, GA, USA.
 - Developed programs and tools in PHP to assist admin and IT staff members.
 - Developed a M68000 emulator in C and a backend to allow remote GDB debugging.
- Summer 2012 **Technical Intern**, *Suntrust Banks, Inc.*, Atlanta, GA, USA.
 - Designed and implemented strategy for knowledge gathering and knowledge management of testing data.
 - Assisted in the updating of EIS Solutions Framework terms.
 - Coded an excel macro to aid in the tracking of training courses.
- 2010–2012 **Technical Intern**, *Career Center*, Emory University, Atlanta, GA, USA.
 - Assisted in redesign of Center website providing insight in user functionality and site aesthetics.
 - Maintain website features including the development of interactive PowerPoint downloads, integration of career development instructional videos, and general content management.

Publications

Andrew McLeod and Mark Steedman. Hmm-based voice separation of midi performance. *Journal of New Music Research (to be published)*, 2016.

Andrew McLeod. Meter identification of midi using pattern detection. Poster at the Late-Breaking Demo Session of the ISMIR 2015 Conference, 2015.