Andrew McLeod

Office 4.23
Informatics Forum
10 Crichton Street
Edinburgh EH8 9AB
United Kingdom
✉ *A.McLeod-5@sms.ed.ac.uk*

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

Andrew McLeod. Hmm-based voice separation of midi performance. Under Review.