

ANDREW MADDEN

Web-Developer & Audio Technologist
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(732) 241-8879

TECHNICAL SKILLS:

Web-Development:

- Ruby, Ruby on Rails, Sinatra, JavaScript, HTML, CSS, PostgreSQL

Signal Processing:

- Matlab, C/C++, Python, PureData, Psychoacoustics, Acoustics

EXPERIENCE:

General Assembly, New York, NY:

- *Developer In Residence/Teaching Assistant* August 2013 - Present
 - Web-Development Immersive
- *Full-Time Student* May 2013 - August 2013
 - 12-Week Web-Development Immersive

New York University, New York, NY:

- *Adjunct Instructor* July 2012 - Present
 - Graduate Digital Signal Theory Laboratory
- *Research Asst. to Dr. Agnieszka Roginska,* February 2011 - January 2012
 - 3D/Spatial Audio Processing for headphone and speaker reproduction
- *Graduate Tutor* September 2010 - November 2011
 - Matlab programming & digital signal theory

Sennheiser Technology & Innovations, San Francisco, CA:

March 2012 - June 2012

- *Research Intern*
 - Auditory Scene Analysis & Real-time Signal Processing

Lakehouse Music, Asbury Park, NJ:

May 2008 - September 2009

- *Assistant Recording Engineer*
 - Managed day-to-day operations and website of a recording studio/music company

Brookdale Community College, Lincroft, NJ:

May 2006 - May 2007

- *Undergraduate Tutor*
 - Math: Remedial through Calculus II

EDUCATION & HONORS:

New York University, New York, NY:

2009 – 2011

- *Master of Music in Music Technology (GPA 3.98/4.0)*
 - Honor: Graduate Student of the Year (2010/11)

Ramapo College of New Jersey, Mahwah, NJ:

2007 - 2009

- *Bachelor of Arts in Music Production (GPA 4.0/4.0)*
 - Honor: Top Graduating Music Student

The Recording Workshop, Chillicothe, OH:

Summer 2007

- *Audio Production Certificate*
 - Honor: George H. Evans Award for Career Drive and Interactive Skills

PUBLICATIONS:

- **“Measuring Spectral Directivity of an Electric Guitar Amplifier.”**
Dr. Agnieszka Roginska, Alex Case, Andrew Madden, and Jim Anderson.
Audio Engineering Society: 132nd Convention – Budapest, 2012
- **“Multi-Touch Room Expansion Controller for Real-Time Acoustic Gestures.”**
Andrew Madden, Pia Blumental, Areti Andreopoulou, Braxton Boren, Shengfeng Hu, Zhengshan Shi, Agnieszka Roginska.
Audio Engineering Society: 131st Convention - New York, 2011