

Keenan Hye

Acoustical Engineering graduate student with a passion for audio and acoustics

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Education

- Candidate for Master of Engineering in Acoustics from Pennsylvania State University | Jan 2017–present
 - Current GPA - 3.67
 - Notable courses - Elements of Acoustics and Vibration, Elements of Waves in Fluids, Signal Analysis, Audio Signal Processing, Advanced Engineering Mathematics, Transducers
- Bachelor of Science in Electrical Engineering with minor in Music Recording from Northeastern University, Summa Cum Laude | Sep 2011–Apr 2016
 - Final GPA - 3.86
 - Notable courses - DSP, Communication Systems, Noise and Stochastic Processes
 - Senior Capstone - Steerable microphone array system for hearing impaired lecturers
 - Honors - Dean's List all semesters attended. Recipient of the Johnson Scholarship, Dean's Scholarship, and Amelia Peabody Scholarship.

Work and Extracurricular Experience

- Cavanaugh Tocci Associates Inc | Mar 2017–Present (full-time)
 - As an Intern, I work closely with senior acoustical consultants designing solutions for architectural acoustic and environmental noise problems.
- Bose Corporation | Jan 2015–June 2015 (full-time)
 - As Co-op in Measurements for the Music Industry, I was responsible for designing, testing, and presenting an adaptive EQ algorithm for portable PA systems.
- Draper Laboratory | Jan 2013–Jan 2015 (15 months full-time, 8 months part-time)
 - As Instrumentation Electronics Co-op, I was a valuable team member for two major projects: an in-ear drug delivery system, and a network of distributed accelerometers. A bulk of my work involved designing and testing embedded systems.
- Get Mastered | Jan 2016–Present
 - I founded my own mastering service, Get Mastered, to apply my technical knowledge of signals and acoustics and grow my critical listening skills.
- NUSound | Apr 2015–Apr 2016
 - Member of the executive board of the Northeastern student chapter of ASA
- Independent Research Project | Sep 2015–Sep 2016
 - Lead a team researching perception of MP3 quality versus encoding bit-rate, intensity, SNR
- Engineering Tutor | Jul 2016 - Mar 2017
 - Five-star rated tutor for Signals and Systems, Matlab, and Circuits undergraduate courses

Technical Skills

- Software: Matlab, INSUL, CadnaA, C/C++, LabVIEW, Logic, Pro Tools, Office, HTML/CSS/Java
- Other: Various acoustic measurements (RT, ISR, NIC, etc), recording, mixing, and mastering

References available upon request. More information on my experiences at keenanhye.com