

Keenan Hye

Electrical Engineering graduate student with a passion for audio and acoustics

Education

- **Summa Cum Laude Graduate** - Northeastern University, Bachelor of Science in Electrical Engineering with a minor in Music Recording
- **GPA** - 3.858
- **Candidate for** - M. Eng in Acoustics from Pennsylvania State University
- **Notable coursework** - DSP, Communication Systems, Noise and Stochastic Processes, Linear Systems, Algorithms and Data Structures, Music Recording I-III
- **Honors** - Dean's List all semesters attended. Recipient of the Johnson Scholarship, Dean's Scholarship, and Amelia Peabody Scholarship at Northeastern University.
- **Senior Capstone** - Steerable microphone array system for the hearing impaired.
- **Extracurricular Activities** - On e-board of student chapter of ASA at Northeastern (2015-16), Independently researching perception of audio quality versus encoding bit-rate, intensity, and SNR

Work Experience:

- **Bose Corporation** | Jan 2015 - June 2015 (full-time)
As Co-op in Measurements for the Music Industry, I was responsible for designing and testing an adaptive EQ algorithm for portable PA systems. This position allowed me to learn various technical skills as well as improve my independent project management and data analysis skills.
- **Draper Laboratory** | Jan 2013 - Jan 2015 (15 months full-time, 8 months part-time)
As Co-op in Instrumentation Electronics, I worked on two major projects: one an in-ear drug delivery system, and the other a network of accelerometers distributed across a structure. In this position, I learned many foundational engineering skills and how to better work as part of a team. 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 to my passion for music.

Skills:

- **Software** - Matlab, C/C++, LabVIEW, PCB designers, Logic, Pro Tools, HTML/CSS/JS, Office
- **Hardware** - Soldering, guitar and microphone modifications, recording, mixing and mastering
- **Other** - Lead vocalist, guitarist in Yohannes, freelance mastering engineer and tutor