

Martin Phenix Nunlee II, E.I.T.

SUMMARY OF QUALIFICATIONS

Interested in a cross-section of acoustics & digital signal processing (DSP) as it relates to consumer electronics. Experience with developing script-based automation of testing. Influential in the development of DSP algorithms baseline assumptions to account for room acoustics effects on, and theoretical DSP implementations issues; as well as, parameter-based approaches to acoustic quality assessment.

Familiar with the following:

- MATLAB
- OrCAD Pspice & Capture
- Solidworks & AutoCAD
- SoundCheck
- Microsoft Office (Word, Excel, PowerPoint & Access)
- C
- Julia Programming Language
- Bash Scripting
- Python
- SuperCollider
- Linux (RHEL clones, Fedora, Ubuntu & Debian)
- Microsoft Windows
- MacOS

EDUCATION

Peabody Institute at John Hopkins University, Baltimore, MD Graduated: May 2018
Master of Arts in Audio Sciences GPA: 3.7
Concentration: Acoustics

Stony Brook University, Stony Brook, NY Graduated: May 2016
Bachelor of Engineering in Engineering Science (Multidisciplinary/Materials Engineering) GPA: 3.0
Minor: Electrical Engineering & Music Technology

EXPERIENCE

Acoustic Engineer (July '18 -Present)

Designed and oversaw construction on a standard compliant test room (Amazon test standard & ETSI). Performed listening test to improve performance of communication channel. Characterized keyword detection performance across signal to noise ratio. Discovered numerous hardware and firmware bugs that caused performance issues.

Graduate Assistantship (August '17- May '18)

Assisting Acoustics Department and refining curriculum. Measuring acoustic performance of various venues.

Acoustics Intern (June '17 - August '17)

Assisted in field noise measurements. Wrote product and design guideline specifications. Assisted in development of an acoustic barrier simulator, DSP algorithms, and program code optimization. Measured, analyzed and improved an anechoic chamber.

Continuing Education Auditor (May '16 - May '17)

Investigated the efficacy of continuing education courses. Wrote reports to explain what occurred at the continuing education courses and if they could be certified to meet the standards of the State of Maryland.

EXTRACURRICULAR & VOLUNTEER ACTIVITIES

SAAB (Student African American Brotherhood) – Secretary for two years, served on the planning committee for the award-winning Student Leadership Institute, created interactive forms for applicants to the organization, recorded meeting minutes and improved organization's digital presence.

PRESENTATIONS

ASM (American Society of Materials) Senior Design Night – Presented the Poster “Autonomous Early Wildfire Seeking Drone” and discussed the design process
