

Nat D Merrill

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EDUCATION

Haverford College – Haverford, PA – May 2020

Bachelor of Arts, Physics, Magna Cum Laude, Phi Beta Kappa, Physics Department High Honors, GPA: 3.9

Thesis: *Using Large-Scale Microphone Arrays for Acoustic Source Localization and Geometry Reconstruction*

Relevant Courses: Sound Design Independent Study, Theatrical Sound Design, Technical Theatre Fundamentals, Music Composition

WORK EXPERIENCE

Freelance Sound Designer and Engineer

Philadelphia, PA. Sep 2021 – Present

- Recent Productions with 11th Hour Theatre Company (SOON) and Theatre Exile (The Ever Present and Extreme Home Makeover)
- Sound Designer, Assistant Sound Designer, Production Manager or Lighting Designer for ten college productions

National Nurse-Led Care Consortium

Inventory and Shipping Specialist (part time)

AmeriCorps VISTA (full time)

Philadelphia, PA. Aug 2020 – Present

- Implement and manage a streamlined and collaborative ordering, inventory and shipping system
- Managed a grant-funded program to train clients as Certified Lactation Consultants
- Assisted with a large strategic planning process to grow organization's direct service programs while aligning decisions with its client-centered values

Bryn Mawr Theatre Program

Technical Assistant Supervisor (~5 hrs/wk)

Bryn Mawr, PA. Oct 2016 – Present

- Worked weekly shifts to set up for any events in the Bryn Mawr Theatre
- Engineered sound and constructed sets for regular shows
- Continue to work special events after graduation

Haverford College Student Lighting and Sound Technicians

Sound Technician (30-35 events)

Haverford, PA. Sep 2016 – May 2020

- Set up sound and lighting systems for student events including concerts, a cappella shows and dances
- Mixed sound for events (optimized sound levels, audio effects and more)

RWTH Aachen University Institute of Technical Acoustics

Visiting Assistant Researcher (full time)

Aachen, Germany. Jun 2019 – Aug 2019

- Independently researched origins of a specific acoustic phenomenon in concert halls using MATLAB and large-scale microphone arrays, leading to undergraduate thesis
- Funded as a Marian E. Koshland Summer Scholar. <http://hav.to/33q>

Williamstown Theatre Festival

Sound Department Intern (> full time)

Williamstown, MA. May – Aug 2018

- Member of twelve-person team responsible for setting up and operating sound systems for a large summer theatre festival with over ten demanding productions
- Sound Designer or Assistant Sound Designer on three shows

5th Avenue Theatre

Production Intern (20 hrs/wk)

Seattle, WA. Jun – Aug 2017

- Assisted the production department of a large non-profit musical theatre company
- Generated detailed production books for the execution of the upcoming season's shows
- Scanned and organized a digital archive of over 200 theatrical set drawings

SKILLS

Technology, Computers and Electronics

- Skilled with QLab, Logic Pro, Vectorworks, Yamaha QL/CL Series, Allen & Heath QU Series
- Experience with Data Analysis (MATLAB, Microsoft Excel), Computer Administration, Relational Database Management (Filemaker Pro), Software Programming (Python, Java, Arduino, MATLAB)
- Built MIDI-controlled light display with twenty-five lightbulbs for *Cabaret* at Bryn Mawr and Haverford Colleges
- Embedded actor-controlled trigger inside a piano for *A Man's World* at Williamstown Theatre Festival

Community Building

- Tri-College Social Justice Institute Participant (2016) and Resource Person (2017): four days of workshops on identity and equity
- Lived in QHouse at Haverford, a residential community for queer and trans students. Organized events for the wider community