

ABBY T. JONES, MS

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EDUCATION:

Duke University, Durham, NC | August 2000 - May 2002

M.S. - Medical Physics

Thesis: MRI-guided treatment planning using AI automation

Advisors: Dr. Sally Smith, PhD

New York University, New York City, NY | August 1996 - May 2000

B.S. - Physics

CERTIFICATIONS:

American Board of Radiology, Passed Part 1

American Board of Radiology, Part 2 Eligible

PROFESSIONAL EXPERIENCE

Medical Physics Intern, Cancer Center Health, New York City, NY | May 1998 - August 1998

- Comprehensive rotational program with chief medical physicist, radiation oncologist, dosimetrists, and radiation therapists to understand the roles of a successful radiation oncology department
- Attended meetings with engineers and architects to ensure proper shielding for the expansion of Cancer Center Health
- Assisted with daily, weekly, and monthly QA
- Scrubbed in and observed brachytherapy cases in the operating room

Summer Science Intern, Underground Research Facility, City, AA | May 1997 - August 1997

- Sanford Underground Research Facility hosts world-leading research experiments in the former Homestake Gold Mine where physics, biology, geology, and engineering experiments are conducted 4,850 feet underground.
- Summer internship focusing on multiple experiments in different scientific disciplines
- Built an electrical panel for the LUX-ZEPLIN dark matter detector with electrical engineers and particle physicists to confirm the hypothesis on the existence of dark matter.
- Collected DNA from fracture fluids at the Deep Mine Microbial Observatory with NASA Astrobiologists to study the potential for life on Mars

Note Taker and Exam Proctor, New York University, New York City, NY | August 1997-May 2000

- Took notes and proctored exams for students with special testing requirements

TEACHING EXPERIENCE

Teaching Assistant, New York University, New York City, NY | August 1999-May 2020

- Modern Physics
- Topics in Physics

RELEVANT LEADERSHIP & SERVICE

American Association of Physicists in Medicine (AAPM)

Students and Trainees Subcommittee, Voting Member & Annual Student Meeting Co-Chair

- List of responsibilities...

Duke University

Student Leadership and Advisory Council, President | May 2001-Present

Chief spokesperson of the Duke Medical Physics Council and the official liaison between the Council and all representative student bodies. Oversee the election process, organize and lead all meetings, and maintain the documents of the Council. Collaborate with Program's Directors and faculty for all matters pertaining to students of the Medical Physics Graduate Program. Highlights include:

Women of Medical Physics, VP of Communications | June 2001-Present

Responsible for sending out newsletters and announcements to promote gender diversity and inclusivity within the Duke Medical Physics Graduate Program and to highlight the achievements of women in the field of STEM. Highlights include:

- Established the Women of Medical Physics Monthly Newsletter that is sent to all current students, faculty, and alumni
- Organized a mindfulness and mental health event for Duke Medical Physics students

Student Leadership and Advisory Council, First-Year Representative | October 2000-November 2001

Represent first-year student body on all matters pertaining to the Graduate Program.

New York University

Women in Science, Executive Board Member | August 1996-May 2000

Planned and organized the annual Holy Cross Women in Science Day. Promoted high school and undergraduate girls to pursue STEM disciplines in the New York City area. Worked with over 300 students to encourage academic pursuits in STEM

Student Advisory Committee, Physics Department Representative | August XXXX-May XXXX

Attended and participated in New York University Physics Department meetings to act as the liaison between physics students and faculty. Conducted the evaluation of department faculty at the end of the semester to improve student outcomes in future semesters.

Society of Physics Students, Co-Chair | August XXXX-May XXXX

Arranged and organized guest speakers within the physics community to speak at New York University. Collaborated with other members on extracurricular laboratory experiments.

PUBLICATIONS

Published manuscripts

1. Citation #1
2. Citation #2

PRESENTATIONS

Oral Presentations

1. Citation #1
2. Citation #2

Poster Presentations

1. Citation #1
2. Citation #2
3. Citation #3

Invited Presentations

1. Citation #1

AWARDS

- Dean's Research Award, New York University
- Dean's List, New York University

EDITORIAL AND REVIEW ACTIVITIES

- Journal Reviewer – *Medical Physics* | XXXX-present

AFFILIATIONS, MEMBERSHIPS & AWARDS

- American Association of Medical Physicists (AAPM), member | Fall XXXX-present
- American Society for Radiation Oncology (ASTRO), member | Winter XXXX-present

APPLICABLE SKILLS AND HOBBIES

- General: Matlab, Microsoft Office
- Accomplished classical celloist