Howard W. Thurman

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EDUCATION
Boston University College of Engineering   Boston, MA
M.S. in Systems Engineering   Expected May 2022
B.S. in Computer Engineering   Jun 2020

TECHNICAL SKILLS
C/C++, Java, JavaScript, Python, MATLAB, SQL, Spark, Keras, Tensorflow

WORK EXPERIENCE
Boston University   Boston, MA
Systems Engineer – Software Developer   Sep 2021 – Present
- Build a module to expedite work order processing based on users' preferences; resulted in 25% work order capacity increase.
- Contribute to the UI design by suggesting new technologies in staff of 5 members.

Data Systems, Inc.   Washington, DC
Data Science Intern   May – Aug 2021
- Developed email marketing system, improving marketing performance by 60%.
- Implemented Deep RL training and evaluation using Spark and Tensorflow.
- Built a simulation system of email marketing with multiple classification models.

RESEARCH EXPERIENCE
Sustainable Energy Research   May 2021 – Jan 2022
- Evaluated city demographics, electric vehicle policies, and charging infrastructure deployment in 3 U.S. cities to gather best practices for sustainable transit use.
- Interviewed 5 industrial experts and wrote a 50-page report outlining research findings and final recommendations.
- Presented research to company staff and at the Boston University Research Fair.

Robotic Arm Research   Sep 2019 – Jun 2020
- Designed a system to use Augmented Reality (A/R) to easily control an assistive robotic arm for users with limited mobility.
- Integrated Microsoft HoloLens A/R headset with Kinova Jaco robotic arm.

PUBLICATIONS
T. Randall, B. Stephens, "Sustainable Transit in 3 U.S. Cities," Sustainability Journal, January 2022.

HONORS & AWARDS
Boston University Division of Systems Engineering Award, 2021
Grace Hopper Celebration Student Scholarship, 2019

LEADERSHIP & ACTIVITIES
Board Member, Student Association of Graduate Students (SAGE)   May 2020 – Present
Vice President, National Society of Black Engineers (NSBE) at BU   Sep 2017 – Jun 2020