

Shine Park

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EDUCATION

THE GEORGE WASHINGTON UNIVERSITY

Washington, DC

Bachelor of Science in Mechanical Engineering

May 2026

GPA: 3.06

Relevant Coursework includes: Engineering Drawing & Computer Graphics, Manufacturing Processes and Systems, Mechanical Systems Design, Statics & Dynamics, Thermodynamics, Introduction to Software Development, Heat Transfer, Materials Engineering

UNIVERSITY OF EDINBURGH

Edinburgh, Scotland

Study Abroad

August 2024 – Dec 2024

Activities: Member of Engineering for Change: Precious Plastics

WORK EXPERIENCE

National Institute of Standards and Technology

Gaithersburg, MD

Summer Undergraduate Researcher

June 2024 – August 2024

- Developed a MATLAB program to analyze grayscale images of soot-laden surfaces.
- Compared grayscale values to soot deposition determined from pre-weighed target measurements.
- Evaluated the performance of grayscale image analysis against a non-invasive photo-acoustic method.
- Contributed to advancing non-invasive techniques for post-fire surface contamination assessment.

George Washington University – ART-Med Lab

Washington, DC

Research Assistant Intern

August 2023 – May 2024

- Studied C# programming to develop VR and AR applications for biomedical services and engineering.
- Gained experience in immersive technology for medical and engineering applications.

University of Southern California

Los Angeles, CA

Student Research Assistant

August 2021 – May 2022

- Investigated the effects of virtual reality games on spinal cord injury rehabilitation.
- Coded and analyzed interview data from patients and healthcare professionals.
- Conducted a literature review to synthesize findings on VR applications in rehabilitation.

SKILLS/ACTIVITIES

Technical: AutoCAD, SolidWorks, Python, Java, MATLAB, Microsoft Office, Google Suite, Organization, Communication, Teamwork, Problem Solving, Time Management

Interests: Robotics, Manufacturing, Music

Treasurer, American Institute of Aeronautics and Astronautics, Washington, DC, 2 years

Member, California Scholarship Federation, Los Angeles, CA, 3 years

Team Lead, Marlbots 3526 - First Technology Challenge Robotics, Los Angeles, CA, 4 years