John Harvey King

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Education

Aerospace Engineering   **Columbia, SC**
University of South Carolina, Honors College, College of Engineering and Computing
- 3.625 GPA
- Palmetto Fellows Scholarship Recipient

Wando High School   **06/2022**
Honors and AP Curriculum   **Mt. Pleasant, SC**
- 5.00 GPA
- Top Ranked: 4%

Experience

Undergraduate Research Assistant   **07/2023 to Present**
McNair Aerospace Center   **Columbia, SC**
- Undergraduate assistant for members of the Future Factories Lab.
- Created tutorials on Siemens Process Simulate for a newly created ENCP 734 course.
- Worked on a Digital Twin project involving virtual commissioning, physical commissioning, and coding multiple robotic work-cells to communicate simultaneously while performing factory operations.

Chemical/Repair Technician   **8/2023 to 8/2024**
Sweetwater Pools   **Charleston, SC**
- Lead chemical technician for 45+ commercial pools.
- Charged with diagnosing, repairing, and operating of commercial Pool Pump/Filtration systems.
- Managing hazardous chemicals, while maintaining proper DHEC regulations in a timely manner.

Pool Manager   **05/2021 to 07/2022**
Sweetwater Pools   **Charleston, SC**
- Cleaned and maintained a safe pool environment, while assuming the scheduling and responsibility of co-workers and additional pools.
- Resolved customer complaints in an efficient manner while maintaining a professional attitude.
- Trained employees in company procedures and policies.

Awards

- Dean's Honor List (UofSC)
- Center for Advanced Studies Engineering Award with Distinction (CAS)
- AP Scholar with Distinction (Wando)
- Esprit de Corps (Wando)
- AP Academy (Wando)
- Junior Beta Club (Wando)
- Duke TIP Program
- Multiple Golden Warrior Awards (Wando)

Volunteer Experiences

- Ronald McDonald Home – Meal Prep, 2019
- Vacation Bible School – First United Methodist, 2018
- Middle School Audition Clinic – Southeastern Spine Institute, 2020
- Band Clinic – Head Clinician, 2021

Skills

- Experience in Siemens Process Simulate
- Aerospace Systems
- Experience in Creo (CAD)
- Solid Mechanics