

Raven King

EDUCATION

Virginia Commonwealth University (VCU) School of Dentistry

Expected 05/2027

D.D.S.

College of Charleston

05/2022

B.S. in Biochemistry, B.A. in Chemistry, Honors College

- [REDACTED], *Cum Laude*

DENTAL EXPERIENCE

CHS Dental, Charleston, SC

12/2022 – 05/2023

Lead Dental Assistant | Preceptor: Alex Kusek, DDS

- Assisted in advanced clinical procedures such as implant placements, root canal treatments, and IV sedation cases, contributing to successful outcomes and patient comfort by anticipating the needs of the dental team
- Managed inventory and ordered supplies, proactively monitoring stock levels and ensuring the availability of necessary materials, reducing supply shortages and minimizing downtime
- Collaborated with multidisciplinary teams, including a dentist, hygienists, and nurse anesthetists to ensure smooth patient care delivery and improved case management outcomes
- Trained to use all of the latest digital technology in CAD/CAM restorative dentistry, including CEREC Prime Scan for intraoral scanning, Sirona CEREC MCXL Dental Milling machine, and SprintRay Pro S Dental 3D Printing

Stono Dental Care, Johns Island, SC

05/2022 – 12/2022

Dental Assistant | Preceptor: Andy Game, DMD

- Managed daily operatory setup and takedown, ensuring optimal efficiency and infection control protocols for a busy multi-chair practice, resulting in streamlined patient flow and reduced turnover time
- Performed sterilization and maintenance of dental equipment, adhering to industry-standard infection control protocols, ensuring a safe and hygienic environment for both patients and staff
- Provided direct patient care support, including counseling on post-operative care and assisting in treatment planning, fostering positive patient relationships and enhancing overall patient satisfaction

Solomon Family Dentistry, Summerville & Mount Pleasant, SC

01/2022 – 05/2022

Receptionist & Oral Surgery Scheduler | Preceptor: Jason Solomon, DMD

- Scheduled and coordinated oral surgery procedures including extractions, implants, and IV sedation, managing complex appointment logistics to ensure timely and accurate treatment for patients
- Provided pre- and post-operative instructions to patients, ensuring clear communication of care guidelines and reducing post-surgical complications by enhancing patient preparedness and compliance
- Collaborated with oral surgeons and clinical teams, communicating surgery schedules and patient needs to ensure accurate and timely treatment, contributing to enhanced workflow and reduced delays in patient care

RESEARCH

Medical University of South Carolina, Department of Anesthesia and Perioperative Medicine

01/2020 – 06/2024

Research Assistant | Advisor: Michael Scofield, PhD

Study: A Subset of Nucleus Accumbens Neurons Receiving Dense and Functional Prelimbic Cortical Input Are Required for Cocaine Seeking

- Investigated the role of specific nucleus accumbens neurons in cocaine-seeking behavior
- Identified & characterized a subpopulation of nucleus accumbens neurons receiving dense prefrontal cortical input

- Conducted electron microscopy to examine ultrastructural changes in dendritic spines
- Utilized a Leica Thunder Imager for high-throughput fluorescence imaging of brain tissue sections
- Prepared acute hippocampal slices from rat brains for electrophysiological recordings
- Managed and worked with rat animal models for cocaine self-administration and behavioral studies

COMMUNITY LEADERSHIP EXPERIENCE

Piedmont Smiles MOM Project, Warrenton, VA

11/2024

MOM Coordinator | Advisor: Michelle McGregor, RDH, BS, MEd

- Supported dental providers at a weekend-long volunteer event, contributing to the successful delivery of free dental services worth \$172,223 to 267 patients, and helping complete a total of 1,456 procedures
- Managed the restorative materials table, keeping track of supplies and ensuring timely availability of materials to dental teams, optimizing workflow and minimizing downtime
- Assisted with clinical procedures, including composite restorations and extractions, providing direct support to dental providers and enhancing patient care through efficient chairside assistance
- Oversaw volunteer coordination during each shift, ensuring all volunteers were positioned effectively, providing guidance and support as needed, and ensuring smooth transitions between shifts
- Collaborated with dental students from Howard University College of Dentistry, fostering teamwork and shared learning while contributing to the success of the event and enhancing patient experiences

Wise MOM Project, Wise, VA

07/2024

MOM Coordinator | Advisor: Michelle McGregor, RDH, BS, MEd

- Contributed to the Virginia Dental Association Foundation's 25th Anniversary Mission of Mercy project in Wise, providing essential dental care to underserved, rural populations across the Commonwealth
- Supported dental providers at the 3 day-long volunteer event, contributing to the successful delivery of free dental services worth \$570,000 to 612 patients, including procedures such as x-rays, cleanings, fillings, extractions, root canals, and dental flippers
- Restocked dental supply tables throughout the event, ensuring all materials were readily available for dental teams, enhancing operational efficiency
- Flushed dental lines and performed routine maintenance to ensure the clinic's equipment remained fully functional and safe for use
- Managed waste disposal, removing trash and ensuring proper disposal to maintain cleanliness and organization within the clinic

Special Olympics MOM Project, University of Richmond, Richmond, VA

06/2024

MOM Coordinator | Advisor: Michelle McGregor, RDH, BS, MEd

- Collaborated with students from the University of Pittsburgh School of Dental Medicine and community-based oral health care providers to deliver free dental services to 132 patients, providing care valued at over \$55,000
- Assisted in providing a range of dental services, including x-rays, cleanings, fillings, extractions, and composite restorations, ensuring quality care for underserved populations
- Sterilized dental instruments and adhered to infection control protocols, maintaining a safe and hygienic environment for patients and staff throughout the event
- Performed dental prophylaxis and provided oral health education (OHI) to Spanish-speaking patients using digital translation services, ensuring clear communication and effective care

Suffolk MOM Project, Suffolk, VA

03/2024

DI Student Volunteer | Advisor: Michelle McGregor, RDH, BS, MEd

- Assisted in providing free dental care to 113 patients, contributing to services valued at over \$81,000, including x-rays, cleanings, fillings, extractions, composites, and root canals
- Supported clinic setup and takedown, ensuring efficient organization of dental equipment and supplies for smooth operation throughout the event
- Sterilized instruments and assisted in various dental procedures, maintaining infection control protocols and

contributing to the quality and safety of patient care

Give Kids a Smile, Richmond, VA

02/2024

DI Student Volunteer | Advisor: Carol Caudill, DDS, MEd

- Event provided free dental care to a total of 80 patients valued at more than \$52,000
- Provided oral health education (OHI) to pediatric patients and parents after free dental appointments, promoting proper oral hygiene practices and encouraging preventive care
- Assisted families with Medicaid information and directed them to resources for obtaining dental coverage, ensuring accessibility to essential care
- Engaged children and families in interactive dental education through games, coloring pages, and live demonstrations using puppets to teach at-home dental care techniques
- Distributed bilingual (English/Spanish) pamphlets detailing available dental services and educational resources, ensuring clear communication with diverse patient populations

UNIVERSITY LEADERSHIP & SERVICE

VCU Mission of Mercy (MOM), Richmond, VA

04/2024 – Current

MOM Coordinator | Advisor: Michelle McGregor, RDH, BS, MEd

- Coordinate and manage all aspects of Mission of Mercy free dental clinics organized by the Virginia Dental Association Foundation, ensuring smooth operations from start to finish
- Review and evaluate volunteer applications, determining appropriate placements for each project based on skill set and availability
- Oversee inventory management of dental equipment and supplies, ensuring that trucks and storage units are well-stocked and organized for each clinic
- Set up and break down mobile dental clinics, including the preparation of sterilization, supply tables, and equipment, ensuring compliance with health and safety standards
- Manage clinic operations on-site, including supervising volunteer activities, coordinating shift schedules, and facilitating shift changes to maintain efficient workflow
- Ensure effective communication among volunteers and clinic staff, troubleshooting and resolving any issues that arise during operations

VCU SoD Class of 2027 Executive Board, Richmond, VA

10/2023 – Current

ASDA Class Representative | Advisor: Cynthia Cheely

- Coordinate and schedule Lunch & Learns with sponsors to provide valuable educational opportunities and networking for classmates, ensuring seamless event execution
- Serve as liaison between the class and the school-wide ASDA Chapter/Student Governance Council, facilitating communication and ensuring the needs and concerns of classmates are effectively addressed
- Encourage and promote classmate involvement in organized dentistry, motivating peers to engage with professional organizations and participate in relevant activities
- Oversee and support class-related events such as wellness initiatives, social gatherings, and Skit Night, ensuring smooth execution and fostering a positive class environment
- Attend national conferences, such as the annual ASDA National Leadership Conference in Chicago, IL to hear from speakers, network with professionals in the field, and gain CE credit through AEGD certified sessions

VCU American Association of Public Health Dentistry Chapter, Richmond, VA

08/2023 – Current

Vice-President '24 – '25 / Community Chair '23 – '24 | Advisor: Shillpa Naavaal, BDS, MS, MPH

- Support the President, President-Elect, and chair positions in executing chapter initiatives and ensuring the smooth operation of the AAPHD at VCU, fostering a collaborative and effective team environment
- Assist the President-Elect in organizing educational events such as Lunch and Learns and workshops, aimed at enhancing the knowledge and engagement of members in public health dentistry
- Co-organize community outreach programs, including the Lessons in a Lunchbox initiative, where we deliver

oral health education to elementary students, and spearhead the chapter's annual Valentine's floral fundraiser to promote community involvement and raise funds for the chapter

ASDA District 4 Cabinet, Richmond, VA

05/2023 – Current

Chief of Staff '24 – '25 / Content Creator '23 – '24 | Current Trustee: Allison Tempel

- Oversee the District 4 Cabinet, serving as the primary point of contact for all directors and ensuring effective communication and collaboration across the team
- Coordinate and facilitate monthly Cabinet and Board of Directors meetings, including preparing and distributing agendas, ensuring meetings run smoothly, and following up on action items
- Consult with the Trustee and Executive Team on key decisions and provide strategic guidance to ensure the Cabinet's objectives align with overall organizational goals
- Provide support to Cabinet members by checking in regularly to address their needs and offering assistance where necessary to ensure project success and team cohesion
- Secure speakers and sponsorships for District 4 conferences, raising a total of \$2,500 in sponsorships to enable four cabinet members to attend the Leadership Retreat
- Contribute to the development of award initiatives for the Stainless Steel Crown Awards ceremony

ASDA District 1 Pre-Dental Board, Boston, MA

08/2022 – 05/2023

Pre-Dental Member | Mentor: Max Prince

- Facilitated connections between pre-dental students and current dental students across District 1 (Connecticut, New Hampshire, Maine, Massachusetts, Rhode Island, and Vermont), fostering valuable mentorship relationships
- Led and organized pre-dental webinars, providing crucial insights on topics relevant to aspiring dental students and helping them navigate the path to dental school
- Contributed to the creation of an argument against integrating dental schools with medical school curricula, representing the pre-dental community at the 14th Annual Student Debate hosted by the Massachusetts Dental Society

ASDA District 4 Pre-Dental Board, Charleston, SC

08/2021 – 05/2023

Communications Committee '22 – '23 / Liaisons Committee '21 – '22 | Mentor: Natalie Benkandil

- Created and posted infographics and flyers on a daily/weekly schedule to promote pre-dental webinars and info sessions, increasing engagement and awareness among prospective dental students
- Helped organize and co-lead webinars focused on key topics such as the DAT, dental school applications, and admissions processes, providing valuable information to pre-dental students in District 4 (North Carolina, South Carolina, Georgia, Tennessee, and Virginia)
- Received the Rising Star Award at the District 4 Conference in 2022 for outstanding contributions and dedication to advancing the pre-dental community and supporting future dental professionals

CofC Alpha Epsilon Delta Chapter, Charleston, SC

05/2020 – 05/2022

President '21 – '22 / Social Chair '20 – '21 | Advisor: Karen Eippert

- Served as the chief executive officer, overseeing the chapter's operations and representing the organization both on and off campus. Acted as a mentor to other officers and ensured smooth functioning of chapter activities
- Led the election and initiation of new members, including honorary members, and developed chapter programs and activities to enhance member engagement and professional development
- Appointed committees and chairpersons to execute various chapter functions, ensuring tasks were completed efficiently and effectively
- Organized and co-hosted a successful campus-wide Red Cross Blood Drive in collaboration with the Red Cross Club, while also strengthening the chapter's philanthropy efforts through partnerships with Be The Match and volunteer work at Barrier Islands Free Medical Clinic

President | Advisor: Karen Eippert

- Guided the organization through the challenges of the COVID-19 pandemic, ensuring continued engagement and professional development by hosting 2-3 virtual meetings per semester, featuring panels with dental students, dental school admissions, and industry professionals
- Led a successful collaboration with Smile Squad to raise \$1,639 for the creation of dental hygiene bags, which were donated to local nonprofits across Florida, South Carolina, and North Carolina.
- Hands-On Volunteerism: Personally assembled and donated dental hygiene bags to local nonprofits in Charleston, SC, including Dream Center Clinic and My Sister's House, a domestic abuse shelter, providing essential dental care supplies to underserved communities
- Fostered valuable connections between pre-dental students and dental professionals, ensuring members had access to critical resources and support in navigating dental school admissions and their future careers

PRESENTATIONS AND PUBLICATIONS

King, R. A. (2024). First Year Experience: MOM Project and Becoming a MOM Coordinator. *Virginia Dental Journal*, 101(4), 61.

King, R. A. (2024, May). Missions of Mercy: Suffolk and Becoming a MOM Coordinator. *The Probe*, 17(2), 11.

King, R. A. (2023, December). ASDA National Leadership Conference, Chicago 2023. *The Probe*, 17(1), 10.

Siemsen, B. M., Barry, S. M., Vollmer, K. M., Green, L. M., Brock, A. G., Westphal, A. M., **King, R. A.**, DeVries, D. M., Otis, J. M., Cowan, C. W., & Scofield, M. D. (2022). A subset of nucleus accumbens neurons receiving dense and functional prelimbic cortical input are required for cocaine seeking. *Frontiers in Cellular Neuroscience*, 16. <https://doi.org/10.3389/fncel.2022.844243>

AWARDS RECEIVED

VCU School of Dentistry 2024 Outstanding Individual, ASDA District 4, Charlotte, NC	2025
Class of 1981 Scholarship, VCU School of Dentistry, Richmond, VA	2024-2025
Dean's List, VCU School of Dentistry Richmond, VA	2023-2024
VCU SoD Admissions Scholarship, VCU School of Dentistry, Richmond, VA	2023-2024
Department of Chemistry & Biochemistry Senior Departmental Award, College of Charleston, Charleston, SC	2022
Rising Star Award, ASDA District 4 Conference, Charleston, SC	2022
CIE Abroad Scholarship, College of Charleston, Charleston, SC	2020
CofC Merit Scholarship, College of Charleston, Charleston, SC	2018-2022
Palmetto Fellows Scholarship, South Carolina Department of Education, West Columbia, SC	2018-2022