

Kyra Ann Shelton

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EDUCATION

University of Washington, Seattle WA

Bachelors of Science in Neuroscience, Bachelors of Art in Psychology, Graduated June 2023

GPA: 3.5/4.0

Relevant Coursework: Laboratory Techniques in Biological Sciences (completion in spring 2023), Foundations in Molecular Neuroscience & Electrophysiology.

Everett Community College, Everett WA, Direct Transfer Associate's Degree

GPA: 3.8/4.0

Cumulative Undergraduate GPA: 3.66

RESEARCH AREAS OF INTEREST

- *Nephrology* - kidney transplant, acute injury, renal cancer, etc
- *Chronic pain* - treatment and conditions, social context
- *Immunology* - role in sensitization and pain, mechanisms of autoimmune disorders
- *Infectious disease* - HIV/AIDS treatment, vaccine development
- *Speciality interests*: general surgery, transplant surgery, emergency medicine, nephrology

RESEARCH EXPERIENCE

Post-Graduate Associate July 2023 - PRESENT

Yale School of Medicine Nephrology Clinical & Translational Research Accelerator, New Haven, Connecticut

Research Assistant, August 2022 - June 2023

Veterans Administration Hospital, Puget Sound, Seattle, Washington

- PCR processing and analysis, embedding of fat tissues in paraffin and wax, dilution of drugs, etc.
- Animal handling -weighing and assessment of condition following abdominal and cranial operations (strong preference for discontinuing animal work in future)
- Tissue sectioning, fixation, and paraffin processing for analysis
- Chemical inventory and waste administrator

Research Scholar, June 2022 - August 2022

SCAN Design Innovations In Pain Research Program, Seattle, Washington.

- Shadowed post-doctoral fellow in day-to-day research activities including running behavioral assays, working with rodents, and analyzing complex data sets, tissue dissection, tissue fixation, immunochemistry staining.

Research Intern, November 2021 - June 2022

Stroke and Applied Neuroscience Center, Harborview Medical Center, Seattle, Washington

- Assisted in developing a computational 3D model utilizing Python to visualize vascular occlusion based off of stacked MRI composite images

- Studied the protein and genetic dynamics that contribute to aneurysm growth, and bursting

Research Volunteer, April 2020 - June 2023

Seattle Children's Hospital, Pediatric Rheumatology Research Clinic, Seattle, Washington.

- Statistical analysis using SPSS.
- Extraction of patient data from patient charts and implementation into RedCap for future data analysis
- Presentation of research progress at local research conferences and symposiums

WORKFORCE & CLINICAL EXPERIENCE

Certified Nursing Assistant/Patient Care Technician, October 2022 - June 2023

Harborview Medical Center, 8E - Burns/Plastics/Pediatric Trauma Acute Care

- Assistance of RN with collecting of vital signs, hourly rounding, and documentation
- Observation of procedures such as wound care with wound RN, and burn assessment with burn surgery attending surgeons
- Assistance in answering patient call lights for assistance with toileting, feeding, safe ambulation, etc.

Certified Nursing Assistant, Medication Technician, September 2021 - October 2022

Aegis Assisted Living, Ravenna Community, Seattle, Washington

- Delivered individualized patient care by recording vital signs, documenting observations, administering treatments and evaluating patient needs, and administering medications.
- Responsible for keeping track of 25+ residents, their routines, medication schedules, and preferences.

Vice Chair, Hall Health Student Advisory Board, July 2022 - June 2023

University of Washington Hall Health Student Health Center

- Assures that student input shapes on-campus healthcare, especially input from those historically abused within the healthcare systems.
- In charge of record-keeping, scheduling, and coordination of events centering student input.

Orientation Leader, June 2021 - June 2022

University of Washington First Year Programs

- Facilitated orientation sessions for freshman, transfer, and international students

Home Care Aide, August 2019 - June 2021

Independent Contractor, Washington State Department of Social and Health Services, Lake Stevens, Washington

- Worked primarily with children and adolescents with developmental and intellectual disabilities assisting with safety, toileting, and home tasks.

EXTRACURRICULAR EXPERIENCE

Outreach Coordinator, September 2022 - September 2023

Camp Kesem at the University of Washington, Seattle, Washington

- Reaching out to camper families and generating new community contacts in areas historically neglected by our services, coordinating with existing camper families for camp information, etc.

Founder, Director of Operations, August 2020 - PRESENT

Health Educators & Advocates Reaching Out, Seattle, Washington.

- Administered training to a team of mentors covering the topics of communication skills, peer mentorship, and leadership.
- Led the process of matching mentees and mentors with compatible skills, likes, and experiences.

Teen Counselor, July 2022

Arthritis Foundation, KATFISH Camp, Auburn, Washington

- Led a group of 13 teenagers with JIA in team building exercises, outdoor excursions, and programming. Public speaking and extensive organization skills involved.

Camp Counselor, July 2021, August 2022, August 2023

Camp Kesem, University of Washington, Seattle, Washington

- Worked closely with children's ages 6 through 10 in completing arts and crafts, team building exercises, and programming related to having parent's afflicted with cancer.

Reading Tutor, January 2022 - June 2022

Reading Partners Puget Sound, Seattle, Washington

- Working with students from kindergarten through fifth grade to build their literacy skills.

COVID-19 Testing Kit Builder, September 2021, Seattle, Washington

Brotman and Body Institute, Seattle Flu Study, and Husky Coronavirus Testing

- Assembled COVID testing kits for University of Washington residence halls and Greek Life communities

COVID-19 Vaccination/Testing Clinic Logistics Assistant, July 2021

Harborview Medical Center, Seattle, Washington

- Took down patient information in order to get patient's checked in for COVID-19 testing and vaccinations
- Answered questions about vaccine procedure and eased worries patients had about procedure or side effects

RELEVANT PROJECTS

“Survey of ADHD in South African Adolescents” (2020)

(Project for Simply Neuroscience Hackathon, 2020)

“Survey of Self-Talk Behaviors in Individuals with Down Syndrome” (2020)

(Final Project for Research Methods in Social Sciences, Everett Community College)

“Growth and Weight Gain in Children with Chronic Recurrent Multifocal Osteomyelitis (CRMO)” (2022) - University of Washington Undergraduate Research Symposium 2022

Preliminary statistical analysis of current pediatric CRMO population at Seattle Children’s Hospital, presented under the direction of Dr. Yongdong (Dan) Zhao.

“AS1 - A Novel Pharmacological Method of Altering the Emotional Valence of Inflammatory Pain” (2022) - University of Washington Undergraduate Summer Research Symposium 2022

Summer project completed in the Dhaka Lab at the University of Washington through the SCAN Design Summer Research Program studying specific pharmacological methods of managing chronic pain.

“Effects of combined oxytocin and glucagon-like 1-receptor agonist (semaglutide) treatment on body weight and adiposity in high fat diet-induced obese rats” (2023) - University of Washington Undergraduate Research Symposium 2023

Assisted in data collection, animal care and behavioral measurements, and assembled presentation with assistance of colleague, Matvey Goldberg. Led presentation session at URP symposium.

AWARDS AND RECOGNITIONS

SCAN Design Innovations In Pain Research Scholarship Recipient
Dean's List Recipient University of Washington - Spring 2022, Fall 2023, Winter 2023, Spring 2023
All-Academic Team Scholarship Recipient
President’s List, Everett Community College
Phi Theta Kappa Honors Society Membership
Kiwanis Scholarship Recipient

REFERENCES

- Dr. James E. Blevins, PI, VA - jblevin@uw.edu
- Dr. Yongdong Zhao, PI, MD, Seattle Children’s Hospital - yongdong.zhao@seattlechildrens.org
- Dr. Lauren Graham, previous professor - lkgraham@uw.edu
- Dr. Samantha Robinson, previous professor - sjconnell@uw.edu
- Dr. Arthur Brandao, Post-Doctoral Scholar, Dhaka Lab - arthurb@uw.edu
- Tara Lerew, BSN, RN, NE-BC, Harborview Medical Center Burn/Pediatric Acute Care - tlerew@uw.edu
- Unica Le, Co-Founder of HEARO - unicale@gmail.com