

Renald Powell Jr.

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SUMMARY

I am a current graduate student at the University of Michigan-Dearborn with a passion for medical research and a commitment to enhancing patient care. My research interests lie in Bioinformatics, particularly in the areas of Alzheimer disease, Parkinson's disease, schizophrenia, and other neurological disorders. I am dedicated to collaborative healthcare, aligning with the university's mission of improving health, instilling humanity, and inspiring hope. I am eager to contribute my insights and efforts to advance medical breakthroughs and improve overall well-being.

EDUCATION

University of Michigan-Dearborn

Master of Biomedical & Biological Sciences

GPA: 3.80/4.00

Advisors: Dr. John Abramyan & Dr. Christopher Alteri

Thesis: TBD

Relevant Coursework: Sequence Analysis and Bioinformatics, Master's Thesis, Methods in Molecular, Cellular, and Developmental Biology, & Advances in Molecular, Cellular, and Developmental Biology

Dearborn, MI

December 2026

University of Michigan-Dearborn

Bachelor of Behavioral Sciences

Dearborn, MI

May 2021

SKILLS

1. *Bioinformatics*
 - a. Sequence Analysis, R Studios, MEGA, Augustus, usegalaxy, NCBI Database Tools, Rna-seq
 - i. Ggplots, Bar graphs, Limma, Phylogenetic Trees, Clustal & Muscle Alignments.
2. *Clinical Research*
 - a. T6SS Secretion Systems in *Proteus mirabilis*
 - i. Using Bioinformatics tools to analyze *Proteus Miraballis* functions at the University of Michigan-Dearborn.
 - b. AIMS Project
 - i. Using a technique called AIMS, or Abnormal Involuntary Movement Scale, to monitor psychiatric patients that were administered medications with tardive dyskinesia side effects at Cruz Clinic.
3. *Interprofessional Communication*
 - a. Trained under the University of Michigan Center for Interprofessional Education
 - i. Using tools from this program to learn and understand the Patient/Provider Relationship from real patients and have better outcomes as a Physician.
 - ii. We offer specialized 3-hour classes twice a week for adults with developmental disabilities, using assistive technologies to provide continuous support. Our approach centers on comprehensive healthcare services through inter-professional collaboration. Empathy is our top priority, and we address medical and emotional needs with a reflective practice approach to better patient outcomes.
4. *Patient-Centered Care*
5. *Patient Safety*
6. *Flexibility and Adaptability*
7. *Epic EMR System Proficiency*

RESEARCH EXPERIENCE

Organization/ Research Lab

Master's Research Assistant

Dearborn, MI

September 2025-December 2026

Advisor: Dr. John Abramyan

- Using various Bioinformatic tools, R Studios, MEGA, Augustus, usegalaxy, NCBI Database Tools, Rna-seq, & Genius, to assist Dr. Christopher Alteri research project of T6SS Secretion system in *Proteus mirabilis*, under the guidance of Dr. John Abramyan.

Organization/ Research Lab

Master's Research Assistant

Dr. Christopher Alteri

Dearborn, MI

September 2025-December 2026

- Using datasets from Dr. Christopher Alteri research and using various Bioinformatic tools. All instructions was led by Dr. Christopher Alteri.

WORK EXPERIENCE

Corewell Health

Pediatric Medical Assistant - General Pediatrics, Family & Internal Medicine

Farmington Hills, MI

September 2023-August 2025

- Provided essential patient care, catering to a diverse population ranging from 2 days to 21 years old, ensuring the well-being of little ones with colds, conducting thorough well visits, and delivering compassionate care to children with conditions like autism and Down syndrome. Achieved an outstanding 95% patient satisfaction rate through dedication and competence.
- I served as the vital bridge between patients and medical professionals, ensuring a seamless and empathetic connection. Acted as the trusted go-between, fostering an atmosphere of trust, understanding, and open communication between families and healthcare providers. Accomplished an impressive 30% increase in patient engagement, leading to more informed decision-making and a heightened sense of comfort and satisfaction among patients and their families.

Cruz Clinic

Chief Medical Scribe, Psychiatric Medical Assistant, & Research Assitant

Livonia, MI

April 2022 – January 2023

- As a Chief Medical Scribe and Psychiatric Medical Assistant at Cruz Clinic, my primary responsibility was managing a diverse set of patients with various health issues such as Schizophrenia, Bipolar Disorder, ADHD, Insomnia, Parkinson's Disease, Depression, and Substance Abuse. Daily, I would care for many patients by assisting with primary care and documenting patient history and current complaints.

Meijer

Pharmacy Technician

Livonia, MI

July 2021-September 2021

- Collaborated with Pharmacist's to create efficient workspaces, ensuring seamless pharmacy operations.
- Initiated patient communication to facilitate prescription administration, demonstrating patient-centric approach.
- Assisted in managing billing procedures, contributing to accurate and organized financial transactions.
- Maintained proper drug storage procedures, registries, and records for controlled drugs.
- Helped pharmacist clear problematic prescriptions and address customer questions to keep pharmacy efficient.
- Coordinated verification and filling of more than 50 daily prescriptions in high-volume retail pharmacy environment.

HONORS AND AWARDS

Patient Safety (Individual Award), *Corewell Health*

April 2025

Traveling Star Award (Corewell Pediatrics Farmington), *Corewell Health*

October 2024

University Honor, *University of Michigan-Dearborn*

December 2020, April 2020, and April 2021

CERTIFICATIONS

1. CITI

- a. Biomedical Research, Issued Apr 2024 / Expires Apr 2028, 62120574
- b. Good Clinical Practice, Issued Apr 2024 / Expires Apr 2027, 60345188
- c. Investigators, Staff and Students (Lab Animal Research), Issued Apr 2024 / Expires Apr 2027, 60348819
- d. The CITI RCR Course for Students and Investigators In the Biomedical Sciences, Issued Apr 2024 / Expires Apr 2028, 62109770

- e. Biomedical Human Subjects Researchers - Basic (University of Michigan), Issued Feb 2024 / Expires Feb 2027, 60345192
 - f. Biomedical Research Investigators and Key Personnel (William Beaumont Hospital Research Institute), Issued Feb 2024 / Expires Feb 2027, 60348814
2. Fundamental Neuroscience for Neuroimaging, *The John Hopkins University School of Medicine*, Issued Sep 2022, YB6ZZTENCKD6
 3. Anatomy Specialization, *University of Michigan*, Issued Aug 2022, 8Y2JGY6UPZXP

REFERENCES

1. John Abramyan, Dir. Biological & Biomedical Sciences, University of Michigan-Dearborn, abramyan@umich.edu, 313-593-5477
2. Steven Ivanoski, Praticice Manager II, Corewell Health, 248-615-0777
3. Roger Loeb, Dir. Behavioral Sciences, University of Michigan-Dearborn, docrog@umich.edu, 313-593-5520
4. Khyrista Jones, Attending Physician, Corewell Health, 248-477-0100, khyrista.jones@corewellhealth.org