

Activities & Experiences

1. Software Engineer at Zoom (Most Meaningful)

Paid Employment — Not Medical/Clinical | 07/2022 – 03/2025 | 5,500 hours

As a software engineer at Zoom, I focused on iOS/macOS development. I created a product that enhances hybrid events through customizable gallery views. This was used by the Democratic National Convention, Fifa, Oprah, among others. I also collaborated on the integration of Apple Shortcuts into the Zoom iOS app. I worked with global, cross-functional teams to build and deliver various software products in a time-sensitive manner. This role advanced and honed my problem-solving, leadership, and teamwork skills.

Most Meaningful:

My three years as a software engineer at Zoom ultimately clarified my career path. While I was able to work with a team to create large-scale, impactful projects, the indirect nature of this impact did not align with my core desire for direct, personal human connection. The intellectual stimulation of the work, however, was rewarding and it continues to play a large role in how I hope to contribute to medicine.

Ultimately, this experience solidified my commitment to medicine by revealing my true passion. I'm eager to apply the advanced problem-solving, project leadership, and teamwork skills I honed to enhance patient care. Furthermore, I plan to utilize my technical background to drive improvements in research and clinical processes, seeking ways to advance patient care whenever possible.

2. Development of Hereditary Cancer Screening App (Most Meaningful)

Community Service/Volunteer — Medical/Clinical | 08/2020 – Present | 700 hours

Working with faculty at FIU's college of medicine, I created a clinician-facing mobile tool to improve hereditary cancer risk screening. This app tackles the critical under-identification of at-risk individuals (90% of BRCA1/2 carriers missed) by transforming complex NCCN guidelines into an intuitive primary care workflow. My focus was on ideation and development along with ensuring a user-friendly interface and logic. To test its validity, we will soon initiate usability and impact studies with primary care physicians (IRB-22-0515). I'm currently supporting its ongoing development, planned rollout, and validation efforts.

Most Meaningful:

The concept of this project began 5 years ago when I learned about the critical under-detection of hereditary cancer from my brother who was in medical school. His idea for a software solution immediately inspired me to create a prototype. Partnering with FIU physicians and genetic counselors, I helped create an app that identifies patients who qualify for genetic testing and counseling. By bridging the technological and medical world, I was able to translate complex cancer guidelines into app logic. This demanded effective and nuanced communication, a vital skill in technology-driven medicine.

This project was my first direct application of technology to meet a critical medical need. Discovering that so many individuals were unaware of their cancer risks, highlighted the power of early detection in genetics and oncology and solidified my passion for preventative medicine. Building this app from initial conception to a tool with real-world potential shaped my desire to innovate at the intersection of technology and patient care.

3. Special Olympics Coach — Basketball and Pickleball (Most Meaningful)

Community Service/Volunteer — Not Medical/Clinical | 08/2015 – Present | 1,100 hours

For over a decade, I've served as a head coach for Special Olympics basketball (3v3, 5v5). Three years ago, I founded and grew our county's first pickleball program to over 15 athletes. I proudly create a fun, positive environment and actively engage athletes, parents, and volunteers. My approach involves connecting with each athlete individually and tailoring coaching to achieve significant skill improvement. This has led to success across all levels for my athletes. This experience solidified the value of sustained service and personal connection for me.

Most Meaningful:

My coaching role has taught me how to connect with individuals from all walks of life. For instance, I easily communicate with one non-verbal athlete through gestures, expressions, and a shared understanding on the court.

I've learned that building trust is a slow, yet crucial process requiring constant adjustment. This has required me to adapt my coaching to each athlete's unique needs whether that's explaining the motion, timing, or stance in different ways. This was evident with one of my athletes, "Kelly," who after 12 weeks of struggle, finally hit consecutive pickleballs over the net. Watching her light up as everyone cheered was an unforgettable moment and showed the power of persistent effort.

These ten years have highlighted the significant value of service and meaningful relationships. I find fulfillment in witnessing my athletes' remarkable resilience as they overcome challenges. This has guided my aspiration towards medicine, where I'm eager to bring the same dedication, adaptability, and enthusiasm to directly enhance patient well-being.

4. Presented at the North Texas Head, Neck, and Jaw Symposium

Presentations/Posters | 03/2025 | 40 hours

I conducted an extensive literature review and synthesized research on "Mechanisms and Epidemiology of Craniofacial Trauma in Sports." My role involved developing all content for a presentation that examined injury patterns, outlined common facial fractures and soft tissue injuries, and discussed implications for otolaryngology research, including prevention and treatment strategies. I delivered this comprehensive presentation and managed the subsequent Q&A session.

5. Literature Review — Chemical Peels in Skin of Color

Research/Lab | 03/2025 – 05/2025 | 50 hours

I led a comprehensive literature review on the efficacy and safety of chemical peels in skin of color populations, providing the first update on this topic since 2013. My role included querying the Embase database, synthesizing research data, and drafting the original manuscript.

6. Lead Author — TikTok Health Information Studies

Presentations/Posters | 12/2024 | 300 hours

I conducted multiple studies analyzing health content quality on the social media platform TikTok. My first experience as a lead author involved extensive coordination amongst a large group of collaborators, performing data collection/analysis, and managing all aspects of manuscript writing including submission.

7. National Healthcare Database Studies

Research/Lab | 12/2024 – Present | 300 hours

I authored manuscripts for multiple studies using the National Inpatient Sample (NIS). My role involved interpreting data, performing statistical analysis, synthesizing findings, and manuscript writing.

8. Clinical Shadowing — Internal Medicine & Nephrology

Physician Shadowing/Clinical Observation | 09/2024 – Present | 600 hours

Shadowing in a community private practice setting provided me with firsthand exposure to patient care. I was gradually entrusted with more responsibilities, including taking patient histories and assisting with components of physical exams. I also shadowed a nephrologist and witnessed the dedication involved in tailoring care and guiding patients from ESRD through post-transplant.

9. Gender Authorship Studies

Publications | 07/2022 | 200 hours

I developed a Python script to automate PubMed data extraction for studies analyzing gender authorship trends. This work supported published research and presentations across specialties.

10. Software Engineer Intern at Teladoc Health

Paid Employment — Not Medical/Clinical | 05/2021 – 08/2021 | 500 hours

At Teladoc Health, I enhanced the alert system for smart glucose devices. My work involved analyzing data collected from smart devices to improve personalized health notifications by creating intelligent alert logic.

11. Developer/Assistant Director — Dream Team Engineering

Community Service/Volunteer — Medical/Clinical | 10/2019 – 05/2022 | 500 hours

As assistant director for Dream Team Engineering, a student-led UF Health initiative developing software for patient care, I led 40+ members across 5 sub-teams. As a developer, I worked on "Gator Goes to Surgery," an iPad game explaining the surgical journey for pediatric patients.

12. Volunteer EMT — Gator Emergency Medical Response Unit

Community Service/Volunteer — Medical/Clinical | 09/2019 – 03/2020 | 80 hours

As a certified EMT, I volunteered with UF's Gator Emergency Medical Response Unit, providing on-site care at campus events. I directly addressed student medical needs and collaborated with first responders.

13. Teaching Assistant — Organic/Biochemistry 1

Teaching/Tutoring/Teaching Assistant | 08/2020 – 05/2021 | 100 hours

As a teaching assistant for Organic Chemistry/Biochemistry I at the University of Florida, I prepared and delivered weekly online lectures to clarify complex concepts and led comprehensive exam review sessions.

14. Investment Research

Hobbies | 08/2019 – Present | 4,400 hours

I actively research stocks and identify new opportunities. A significant focus on biotechnology companies expanded my understanding of specific diseases, drug mechanisms of action, and emerging pharmaceuticals.

15. Weightlifting and Recreational Sports

Hobbies | 09/2010 – Present | 5,600 hours

I play multiple sports including pickleball, basketball, and golf. My fitness training involves a consistent routine of weightlifting and aerobic exercise (6 days/week).