DHIRAJ TADIKAMALLA

Experience Designer with a focus on medicine

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WORK EXPERIENCE

Clinical Researcher, *Growing Toddler's Study - Michigan Pediatrics*
May 2019 – Present | Ann Arbor MI

- Conducting study to determine correlation between mother's feeding habits and childhood obesity
- Visited 40+ families around Ann Arbor to collect data on mother's feeding habits & relationship with child
- Volunteered 75+ hours at the University of Michigan Health System with Dr. Megan Pesch
- Volunteered 75+ hours at C.S Mott Children hospital in the pediatric outpatient floor

Service Trip Representative, *Medical Educations Service Opportunities (MESO)*
September 2018 – Present | Panama City PA

- Traveled to Panama to provide free aid and health education for undeveloped communities
- Structured educational workshops, volunteer opportunities, and foreign service clinics for students
- Engaged with VA hospital and American Red Cross to create opportunities for pre-med students on campus
- Gained hands-on experience in healthcare settings interacting with foreign doctors, scientists, and dentists

Research Assistant, *Tissue Fibrosis in Obesity and Endocrine Diseases*
September 2018 – May 2019 | Ann Arbor MI

- Extracted and studied diaphragmatic cells of mice to observe how adipose tissue functions in obese patients
- Administered gavage method, tamoxifen drug injections, and DNA genotyping on mice
- Used Microsoft Excel to analyze data gathered from several experiments

Biomedical Research Intern, *Ascent Pharmaceuticals*
July 2018 – August 2018 | Central Islip NY

- Used New Drug Delivery Systems (NDDS) to improve efficacy, safety, and bio-recognition of drugs
- Created an automated macro to facilitate the process of verifying drug metrics, saving 100+ man-hours
- Gained exposure to the medical components involved in putting Ibuprofen soft gelatin into production
- Assisted senior scientists in developing new bio-equivalent formulations of various drugs
- Conducted extensive documentation to consolidate information and make it easily accessible for scientists

LEADERSHIP

Group Leader, *Wolverine Support Network*
- Conduct weekly peer-facilitated meetings to empower students and improve mental well-being
- Gained counseling and psychotherapy skills to communicate with many peers on a day-to-day basis

Standardized Patient, *University of Michigan Medical School*
- Assist UofM medical students by stimulating patient cases with specific symptoms
- Provide assessment and offer feedback of pseudo-doctor's clinical skills and performance

EDUCATION

University of Michigan School of Information, *Class of 2022*

Bachelor of Science in Information Focus in User Experience Design

Minor in Biochemistry

Ann Arbor, MI | GPA: 3.9

Relevant Courses:
Data-Oriented Programming, Web Design, and Information Environments and Work

SKILLS

Programming

C++

Python

HTML

CSS

Design

Interaction Design

Prototyping

User Research

Photoshop

Information Architecture

EXTRACURRICULARS

Alpha Epsilon Delta, *Social Chair*

Dance Marathon at University of Michigan (DMUM), *Social Outreach*