

# NICOLAAS VAN DIJK, PT, DPT

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## EDUCATION

- 8/2018-5/2021 **University of Illinois at Chicago**, Chicago, IL  
Doctor of Physical Therapy (DPT)
- 9/2010-5/2014 **University of Michigan** Ann Arbor, MI  
Bachelor of Science in Engineering (BSE) - Industrial and Operations Engineering *magna cum laude*

## EXPERIENCE

- 9/2021 - Present **TRIA Orthopedics**, St. Paul, MN (9/2021 - 3/2022); Bloomington, MN (3/2022 - Present)  
Physical Therapist
- Treat orthopedic and sports-injury patients creating plans of care to achieve return to activity and independence
  - Designed/gave presentation to over 100 physical therapy staff on the administrative burden of healthcare, especially for patients from disadvantaged communities, and how to better support uninsured and underinsured patients
- 6/2014 - 6/2018 **ZS Associates**, Princeton, NJ (6/2014 - 8/2015); Chicago, IL (8/2015 - 6/2018)  
Business Associate Consultant
- Led teams of up to 5 colleagues to complete forecasting and personnel allocation projects for Fortune 500 companies in the pharmaceutical and medical device industries
  - Utilized expert knowledge of commercial and government contracts to manage technical design of a \$16B annual forecast process for a Fortune 500 pharmaceutical company
  - Created 5-year financial model with sensitivity analysis, incorporating primary and secondary market research and claims data, to support potential acquisition of a large pharmaceutical company
- 5/2013 - 5/2014 **Center for Healthcare Engineering and Patient Safety**, Ann Arbor, MI  
Research Assistant
- Worked with a team of 5 undergraduate students and faculty to implement a depression care management system for over 700 University of Michigan Health System (UMHS) patients
  - Collaborated with team to create initial algorithm to optimize clinical trial enrollment for UMHS
- 1/2012 - 5/2014 **Design Innovations for Infants and Mothers Everywhere**, Ann Arbor, MI  
Biomedical Design Intern
- Utilized mathematical and engineering competencies to contribute to design of blood transfusion device for use during ectopic pregnancies (currently approved for use in Ghana and Kenya)
  - Analyzed component locking system, blood bag connector, and input/output ports
- 1/2013 - 5/2013 **Lockheed Martin Missile and Fire Control**, Camden, AR  
Industrial Engineering Intern
- Implemented process improvement and cost saving projects for rocket assembly line
  - Presented final report to senior managements on capstone cost savings project
- 5/2012 - 8/2012 **Chrysler – Warren Stamping Plant**, Warren, MI  
Unit Leader Intern
- Led skilled tradesmen in daily manufacturing activities and major improvement projects
  - Developed root cause analyses to solve efficiency and safety related production issues

- 6/2010 - 8/2010 **National Institute of Allergy and Infectious Diseases**, Bethesda, MD  
Summer Research Intern
- Conducted lab experiments on cytokine signaling and presented results at NIH Symposium

## EXTRACURRICULAR ACTIVITIES

- 11/2021 - Present **Wilder Foundation**, St. Paul, MN
- Analyze survey data and summarize insights to support the foundation's internal transition to incorporating the whole family in the services provided rather than just the individual
- 3/2020 - Present **American Academy of Sport Physical Therapy**
- Create social media posts for the Sports Performance Enhancement special interest group to summarize findings of monthly research review publications
  - Create clinician-focused infographs to summarize biomechanical data around popular rehabilitation concepts for knee injuries
- 9/2019 - 6/2020 **Minorities in Healthcare**, Chicago, IL
- Mentored a high school senior preparing for college and a career in healthcare; met with student over a 10-month period to provide guidance on college applications and potential career paths

## PUBLICATIONS/PRESENTATIONS

- 12/2020 - Present **Sports Injury Bulletin**
- [No time to snooze: the athlete's sleep paradox](#)
  - [Stressed out: finding the optimal loading strategy for tibial and metatarsal bone stress injuries](#)
  - [Measuring readiness for return to running](#)
  - [Getting pushy with ACL rehab](#)
- 2/2021 **Journal of Orthopedic and Sports Physical Therapy**
- [Learning During a Pandemic: A DPT Student Perspective](#)
- 2/2021 **American Physical Therapy Association Combined Sections Meeting 2021 - Poster**
- The Team Environment's Influence on the Eating Habits of Female Collegiate Athletes

## CERTIFICATIONS

- 2019 - Present **Certified Strength and Conditioning Specialist** - National Strength and Conditioning Association
- 2018 - Present **Basic Life Support Provider** – American Heart Association

## HONORS

- 2020 **IPTA Scholarship to APTA CSM**, Chicago, IL
- 2020 **Donna Roach Award**, University of Illinois at Chicago
- 2014 **James B. Angell Scholar**, University of Michigan
- 2011-2013 **University Honors**, University of Michigan
- 2012 **George M. Landes Prize**, University of Michigan
- 2010 **Edward A. Harang Scholarship**, University of Michigan

## SKILLS

Software: Microsoft Office, R, SQL, VBA, EPIC

Working knowledge of CPT and ICD codes, especially related to musculoskeletal care

Intermediate knowledge of healthcare contracting and operations

Strong communication, analytical, problem solving, project management, and strategic thinking skills