

NICHOLAS PANERAL

Data Analytics student seeking Spring 2022 internship



EDUCATION

2020–
Current



Tufts University

MS Candidate in Engineering Management

📍 Medford, MA

2013–
2017



United States Military Academy

B.S. in Mechanical Engineering

📍 West Point, NY



RESEARCH EXPERIENCE

2016



Research Assistant

Hospital for Special Surgery

📍 New York, NY

- Worked with Abaqus Modeling and Simulations, MatLab, Motion Capture, and Universal Load Sensors
- Contributed to a study to simulate knee motion to measure the forces of a typical ACL pivot shift test



TEAM LEADERSHIP EXPERIENCE

2018–
2020



Republic of Korea

65th Medical Brigade

📍 Pyeongtaek, SK

- Supervised operations of 126 US Soldiers, 16 Korean Soldiers, and 55 Civilians
- Maintained accountability and services wheeled vehicles and medical assets valued over \$16.8 M
- Coordinated logistics to evacuate 83 civilians from Korea to California

2020 –
2022



Fort Bliss

1st Armored Division

📍 El Paso, TX

- Maintained accountability and services of wheeled and tracked vehicles and medical assets valued over \$13 M evaluated
- Coordinated medical operations and logistics in COVID-19 response for 4,200 US Soldiers to include testing, quarantine, contact tracing, and medical evacuation
- Supervised clinic operations and medical training for 2 Physicians, 7 Physician Assistants, and 230 medics (EMTs)



CONTACT INFO

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📞 +1 708-704-7104

SKILLS

Experienced in team management.

Experienced in managing operations and logistics.

Performing **data analysis**, with a focus on engineering models

Experienced in **data communication** and client relations

Wrote production-level **R/Python/Stata/SQL**

Machine Learning on cloud platforms (AWS)

Last updated on 2021-12-03.



PUBLISHED WORK

March
2018



ORTHOPEDICS, Healio Orthopedics Journal

- "Tibial Interference Screw Positioning Relative to the Bone Plug in ACL Reconstruction: A Biomechanical Comparison of Cortical Versus Cancellous-Sided Placement"

📍 West Point, NY