

Nicholas C. Nazak II

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Education

Case Western Reserve University (Cleveland, OH)	2023 - Present
Ph.D. Biomedical Engineering, Neural Engineering and Rehabilitation Leveraging wearable devices to aid in stroke rehabilitation.	
Case Western Reserve University (Cleveland, OH)	2018 - May 2022
B.S. Biomedical Engineering, Biomechanics Track Minor in Mechanical Design and Manufacturing, Music GPA: 3.978, Summa Cum Laude	

Certifications/Accomplishments

- The Biomedical Engineering Chairman's Award
- Certified SOLIDWORKS Professional (CSWP)
- CAA Junior-Senior Scholarship Recipient
- Outstanding Junior, Sophomore in the Case School of Engineering
- CITI Program: Human Research Biomedical Research Faculty, Staff, and Students
- CITI Program: VA Human Subjects Protection
- Responsible Conduct of Research Certificate

Presentations

- Recovery at Home: How Wearable Sensors can Enhance Stroke Rehabilitation (CWRU, October 2024)

Work Experience

Rahm Sensor Development, Inc. (Elyria, OH)	October 2023 - Present
<ul style="list-style-type: none">• FDA Process Manager<ul style="list-style-type: none">○ Overseeing the submission of a 510(k) for a Class II remote vital signs monitor medical device.○ Coordinating purchases and design of materials for the device prototypes.	
Structured Monitoring Products, Inc. (Elyria, OH)	February 2020 - September 2023
<ul style="list-style-type: none">• Operations Manager<ul style="list-style-type: none">○ Facilitated and aided in the acquisition of the company by Zomedica for \$18M in September of 2023○ Interfaced with customers, veterinary professionals, and potential investors at various animal health conferences across the country.○ Coordinated the purchasing and design of materials for the construction of a VetGuardian device.○ Designed and managed system to track inventory, incoming parts, purchases, etc.○ Developed a cash flow model and maintained company financials over time.• Project Manager<ul style="list-style-type: none">○ Managing and overseeing members of the product/software development team for the VetGuardian project.○ Recording meeting minutes weekly and utilizing AGILE project management via the JIRA software.○ Assisting other members of the organization with tasks such as database population, accelerator program applications, and CRM management using HubSpot.	
Louis Stokes Cleveland VA Medical Center (Cleveland, OH) Advanced Platform Technology Center	January 2020 - August 2022
<ul style="list-style-type: none">• Research Assistant<ul style="list-style-type: none">○ Assisted a graduate student in collecting and analyzing data using MATLAB related to experiments in which functional electrical stimulation is applied to participants with incomplete spinal cord injuries.○ Modeled, analyzed, and designed controlled experiments to test the validity of various materials for the creation of a passive trunk-based exoskeleton.○ Constructing a prototype of the passive exoskeleton involving several manufacturing techniques.	

Case Western Reserve University (Cleveland, OH)

- Head Teaching Assistant (EBME 309: Modeling of Biomedical Systems) January 2022 - May 2022
 - Regularly meet with professors to organize assignments and exams.
 - Holding weekly office hours to support students with questions regarding class content.
 - Proctoring in-class exams and quizzes, answering questions as needed.
- Teaching Assistant (EBME 201: Physiology-Biophysics I) August 2021 - December 2021
 - Held weekly office hours to support students with questions regarding class content.
 - Created exams, quizzes, homework, and other course materials
 - Proctored in-class exams and quizzes, answering questions as needed.

Constellation Medical, LLC. (Cleveland, OH)

June 2020 - August 2020

- Market/Product Research Intern
 - Accepted into the internship through the 2020 CWRU Veale Institute for Remote Entrepreneurship Program.
 - Compiled information regarding COVID-19 test kits and other related medical devices such as RT-PCR machines for future distribution strategies.
 - Wrote copy for the company's website to highlight key features about the effectiveness and capability of certain COVID-19 test kits.

Extracurriculars

- Alpha Eta Mu Beta Biomedical Engineering Honors Society 2021 - Present
- Tau Beta Pi Engineering Honors Society 2020 - Present
- CWRU Club Volleyball Team Setter, Treasurer (2020-2021), President (2021-2022) 2018 - Present
- Middle Court Captain (2023-Present)
- CWRU Jazz Ensemble Percussionist 2018 - Present
- CWRU IEEE, Secretary (Spring 2021) 2021 - 2022
- CWRU ENTP+ Event Coordinator (Fall 2021) 2021 - 2022
- CWRU Pep Band Instrument Acquisition Chair (2020-2021) 2020 - 2021