

# MICHAEL CRESPO

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## CAREER OBJECTIVE

Biomedical Engineering major currently attending The University at Buffalo, with 4 years of work experience. Aiming to further my knowledge in the field by participating in research.

## EDUCATION

Monroe Community College (2019-2021)  
Brighton, NY

University at Buffalo Biomedical Engineering (2021-Present)  
Buffalo, NY

- **GPA:** 3.711

- **Accomplishments:**

- Achieved Dean's list nearly every semester since joining The University at Buffalo.
- Was a main member in a project that won first place in the New York ACC — The 'Shark Tank Challenge' & Young Investigators' Award Competition.

## RELEVANT SKILLS

- Background in technology with formal training with the Microsoft suite, with specific training in Excel.
- Training in 3D modeling using Solidworks and Autodesk Inventor.
- Training in coding with C++ and MATLAB.
- Experience in production using precision machinery and design.
- Training in lab settings in cell culture labs as well as technical computation lab settings.
- Experience in remote working and online organization.

## RELEVANT STUDIES

- Currently researching under Dr. Schweser in the field of 3D modelling for PET/MRI scans with the BNAC.
- Study into the future of MRI technology, especially with AI assisted ultrasound.
- Study into the use of gallium assisted copper plating of dental implants for antimicrobial purposes.
- Created virtual model of tuning forks depending on pitch, size, shape, and material using MATLAB.

## RELEVANT COURSES

- EAS 230 – Engineering Computations
- BE 307 – Biomedical Circuits and Signals
- BE 304 – Principles of Medical Imaging
- BE 312 – BE Biosignals Lab
- BE 493 – Research and Design in BME
- BE 501 – Human Biology for Biomedical Engineers
- BE 502 – Quantitative Analysis in Biomedical Engineering
- ENR 153 – Mech Design & Prototyping
- ENR 161 – Computing with Microsoft Excel / Intro to Arduino

## PROFESSIONAL EXPERIENCE

Dunkin, Brockport, NY

*Cashier, Oct 2018 – Aug 2020, Shift Leader Aug 2020 – Aug 2021, May 2022 – August 2022*

- Handle financial transactions and ensuring correct cash deposits.
- Open and close the store.
- Supervise and run shifts while on the job.

- Train new employees on how to handle all aspects of the job.

**Chipotle, Buffalo, NY**

*BOH/Grill staff, Aug 2021 – May 2022*

- Open and close the grill area of the store, including cleaning all surfaces, organizing the area, and assisting coworkers in other areas once finished.
- Collaborate with the FOH staff to maintain a well-stocked and orderly store.
- Alert customers if there are any issues inside the store. i.e., the store is only taking online orders or is temporarily closed.

**Salsarita's, Buffalo, NY**

*BOH/FOH staff, Aug 2022 – Present*

- Open and close the front and back area of the store, including cleaning all surfaces, organizing the area, and assisting coworkers in other areas once finished.
- Collaborate with staff to maintain a well-stocked and orderly store.
- Alert customers if there are any issues inside the store. i.e., the store is only taking online orders or is temporarily closed.

