HECTOR BAEZ

Bhectorc@gmail.com • 646-420-0747 • New York, NY •www.linkedin.com/in/hector-baez

Biomedical Engineering graduate with hands-on experience in mammalian cell culture and In-Vitro studies. Excellent knowledge of cell culture techniques including experience with mammalian cell lines CHO, HEK, and HDF.

EDUCATION

Rochester Institute of Technology, Rochester, NY — May 2017
Bachelor of Science in Biomedical Engineering

SKILLS

- **Techniques**: Cell Culture protocol, Human/mammalian cell lines (HEK, HDF, CHO), Media creation, ELISA Protocol, PCR, SDS-PAGE, western blot, DNA Isolation, Aseptic processing, Fluorescent microscopy, Molecular Biology, Biosafety Level-2 Clean Room Operation, immunofluorescence, flow cytometry
- **Software**: Microsoft Word, Excel, PowerPoint, Solidworks, Inventor, COMSOL, Creo, Minitab, R, Matlab, C++, MS Project
- **Other**: English/Spanish Bilingual, Technical Writing, 100 WPM Typer.

PROFESSIONAL EXPERIENCE

Project Coordinator — 2018
New York University Langone Medical Center (Venn Health Partners) - New York, NY

- Coordinated Medical Device integration for the new NYU Kimmel Pavilion hospital
- Identified solutions for the successful completion of the overall project, with emphasis on coordinating with and resolving issues concerning multiple subcontractors
- Utilized advanced excel techniques such as pivot tables to Create project development reports ensuring clinical standards were met for deployment of the hospital.

Medical Device Engineer Coop — 2017
Rochester Regional Health – Restorative neurology and rehabilitation, Rochester, NY

- Coordinated with multidisciplinary team to design rehabilitative devices for patients with a variety neurological disorders.
- Preliminary device design using Solidworks and COMSOL stress testing
- Conducted Testing using 3D printing Rapid prototyping techniques

Undergraduate Research Coop — 2015
New York University Biomaterials Laboratory, New York, NY

- Utilized cell culture techniques under GLP regulations
- Led undergraduate team in designing & conducting In-Vitro cell research resulting in a publication to be published to the Journal of the Mechanical Behavior of Biomedical Materials
- Performed data collection and statistical analysis using R

PROJECTS

Rehabilitative Arm-Aid Senior Design http://edge.rit.edu/edge/P16062/public/Home

- Biomedical lead in multidisciplinary team developing user mounted pneumatic device applying simulated forces and haptic feedback for advancing the rehabilitative practices available for stroke patients.
- Utilized 3D printing for rapid prototyping of solid parts.

PUBLICATIONS SUPPORTED

- **"Biomechanical and histologic basis of osseodensification drilling for endosteal implant placement in low density bone."** An experimental study in sheep J.. Supported research at NYU biomaterials laboratory.