

# NELSON ABARCA

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## PROFESSIONAL EXPERIENCE

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| <b>University of Miami</b> , Miami, FL   | <i>Cancer Research Associate</i>    | February 2018 – August 2019 |
| <ul style="list-style-type: none"><li>• Investigated how ketone bodies affect the viability of neuroblastoma cells</li><li>• Performing the following bioscience research tasks: protein assays, western blots, and cell culture</li><li>• Made excel spreadsheets to represent proliferation rates/viability of cell cultures</li><li>• Communicated experimental results at the Miami Dade College and Florida Atlantic University through written research abstracts and poster presentations</li><li>• Mentored new incoming research associates on laboratory techniques and presenting experiments</li></ul> |                                     |                             |
| <b>University of Miami</b> , Miami, FL   | <i>Neurosurgery Observer</i>        | August 2019 – Nov 2019      |
| <ul style="list-style-type: none"><li>• Shadowed neurosurgery residents, fellows, and attending physicians performed removals of brain tumors</li></ul>  |                                     |                             |
| <b>STEM Express</b> , Miami, FL  | <i>Botanical Research Associate</i> | August 2017 – August 2018   |
| <ul style="list-style-type: none"><li>• Micropropagation of two different species of endangered orchids using sterile conditions.</li><li>• Planned and conducted experimentation to find the optimum media that will maximize growth</li><li>• Performed tasks such as observing the growth of orchids and making a data analysis of their development</li></ul>  |                                     |                             |
| <b>City of Miami</b> , Miami, FL   | <i>Summer intern</i>                | June 2016 – August 2016     |
| <ul style="list-style-type: none"><li>• Organized files and stored historical documents in the main database</li><li>• Used teamwork to arrange physical files for zoning in the City of Miami</li><li>• Observed the day-to-day tasks of architects and city judges</li></ul>   |                                     |                             |

## EDUCATION

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| <b>Florida International University</b> , Miami, FL                       | August 2018 – Present     |
| Bachelor of Science in Biomedical Engineering                             |                           |
| <b>Miami Dade College</b> , Miami, Florida                                | August 2016 – August 2018 |
| Associate in Arts Degree in Chemistry, Graduated with Honors, Dean's List |                           |

## LEADERSHIP EXPERIENCE

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| <b>STEM Express</b> , Miami, FL   | <i>Group Leader</i>         | May 2018 – August 2018    |
| <ul style="list-style-type: none"><li>• Oversaw a small botany undergraduate research group once a week</li><li>• Planted orchids across the Interamerican campus of Miami Dade College</li><li>• Taught orchid culturing methods to incoming research associates</li></ul>   |                             |                           |
| <b>Miami Dade College</b> , Miami, FL   | <i>Peer Academic Leader</i> | January 2017 – April 2017 |
| <ul style="list-style-type: none"><li>• Volunteered as a Peer Academic leader at Miami Dade College</li><li>• Facilitated a group of students in the course Intro to Psychology, and created study guide documents for students</li><li>• Discussed with students individually to improve their studying techniques and course work understanding</li></ul> |                             |                           |

## Additional Skills

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- Language: Native English, Native Spanish
- Microsoft Suite: Word, Excel, PowerPoint, Outlook, OneNote, Access
- Research: Cell culturing, drug treating, gel electrophoresis, fluorescent microscope, experimental design and writing abstracts
- Communications: Public speaking and poster presentation
- Programming: MATLAB, SPSS
- Video Editing: Final Cut Pro, Adobe Premiere Pro