REEM ABOUTALEB

CONTACT

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PERSONAL INFORMATION

Date of Birth: 06/11/01
LinkedIn : www.linkedin.com/in/reem-aboutaleb-65314225b | **GitHub:** github.com/reem-aboutaleb

SKILLS

- **Laboratory Techniques**: PCR, spectrophotometry, gel electrophoresis, ELISA, tissue culture, and microscopy.

- **Data Analysis**: Proficient in Python, R, MATLAB, and statistical tools for analyzing experimental data.

- **Regulatory Compliance**: Knowledge of GMP, GLP, OSHA, and biosafety protocols.

- **Technical Expertise**: Skilled in maintaining and calibrating lab equipment.

- **Soft Skills**: Team collaboration, time management, and effective problem-solving.

AWARDS

- Graduate School of Engineering Scholarship for high GPA (2024).
- Best Mentor Award (2023).
- High Honor Society Certificate (2020).
- National Honor Society Member (2019).
- Community Service: Completed 350+ hours (2017-2019).

PROFESSIONAL SUMMARY

Dynamic and detail-oriented Biomedical Engineering professional with strong expertise in laboratory research, data analysis, and quality assurance. Adept in advanced laboratory techniques, regulatory compliance, and cutting-edge biomedical methodologies. Skilled in optimizing workflows, managing projects, and working collaboratively in multidisciplinary teams. Dedicated to maintaining precision, safety, and excellence in lab environments.

EDUCATION

Master of Biomedical Engineering : Biomedical Engineering, Expected in 05/2026
New York University Tandon School of Engineering - Brooklyn, NY

- Research focus: Human robotics and cancer cell technologies.
- Member: Tau Beta Pi and Biomedical Engineering Society (BMES).

Bachelor of Science in Biology : Biology, 05/2023
New Jersey City University - Jersey City, NJ

- GPA: 3.60 | Top of Class Scholarship Recipient.
- Extensive experience in biology and organic chemistry laboratories.

WORK HISTORY

Graduate Research Assistant, 01/2024 to Current
NYU Tandon School Of Engineering - Brooklyn, NY

- Conducted biomedical research focusing on optimizing microneedle technology for drug delivery applications.
- Analyzed experimental data using Python and MATLAB, contributing to publications in peer-reviewed journals.
- Collaborated on Alzheimer's disease research, investigating neurovascular coupling and its implications in disease progression.

Proyecto Science Mentor (6 Week Summer Job), 06/2022 to Current
New Jersey City University - 2039 John F. Kennedy Blvd, Jersey City, NJ 07305

- Mentored 28+ students per class, tailoring strategies to suit diverse learning styles.
- Fostered academic growth, resulting in a 95% student satisfaction rate.
- Coordinated with faculty to provide access to resources, enhancing the program's effectiveness.

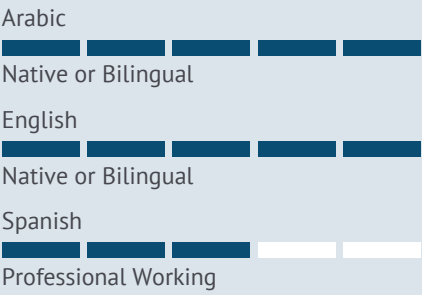**Physician Assistant Internship,** 06/2022 to 06/2023
Pediatrician Clinic - 840 Bergen Ave, Jersey City, NJ 07306

- Conducted over 200 patient assessments, contributing to improved healthcare delivery.

VOLUNTEER EXPERIENCE

- Assisted professors in biology labs, contributing to academic research and laboratory operations.
- Volunteered at Jersey City Medical Center, supporting various clinical departments.
- Conducted Arabic language education and student safety programs at a local community center.

LANGUAGES

Arabic

Native or Bilingual

English

Native or Bilingual

Spanish

Professional Working

- Supported pre- and post-operative care, enhancing patient outcomes and compliance with care plans.
- Gained insights into various diseases and strengthened proficiency in medical terminology.

RELEVANT PROJECTS

Quality Control Optimization in Laboratory Settings

- Implemented process improvements in lab workflows, increasing efficiency by 25%.
- Developed SOPs for quality control processes, ensuring compliance with GMP standards.

Biomedical Signal Processing

- Analyzed patient data using Python to improve diagnostic accuracy.
- Applied statistical models to detect and classify biomedical signals.

CERTIFICATIONS & SPECIALIZED TRAINING

- **Google Advanced Data Analytics Certificate**
- **Google AI Essentials Certificate**
- **Advanced NLP with Python for Machine Learning Certificate**
- **BLS Provider License (CPR & First Aid)**
- **Career Essentials in System Administration by Microsoft**