Gio G. Abou Jaoude

New York City, NY | gga222@nyu.edu | (347) 605-4640 | linkedin.com/in/gio-abou-jaoude

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems New York, NY
Master of Science (M.S.) in Computer Science | Concentration: Artificial Intelligence 2020-2022
GPA: 3.95

New York University (NYU) Tandon School of Engineering New York, NY
Bachelor of Science (B.S.) | Major: Applied Physics 2014-2018
Minor: Nuclear Science and Engineering

TECHNICAL SKILLS

Programming Languages:	Python, Java, R, C#, MATLAB, SQL, VBA
Databases Management:	Tableau, Apache Superset, Azure Dev Tools, Oracle Database, MySQL

WORK EXPERIENCE

Fusion-Protogenics New York, NY
Computer Science Team Lead Dec. 2020-Current
- Created computational pharmacology pipeline using machine learning and genetic algorithms to predict PL binding
- Cleaned, consolidated, and visualized data through PCA and Tableau for funding and investor meetings
- Managed a team of student programmers in Python and Perl

Polytechnic Tutoring Center NYU New York, NY
Computer Science Tutor Sept. 2016-May 2019
- Taught students a variety of concepts ranging from Monte Carlo simulations to Data Analysis resulting in increased learning as reported by students
- Administered exam review sessions for tutoring center for students to prepare for upcoming tests

Applied Physics Department New York, NY
Teaching Assistant Sept. 2015-May 2018
- Assessed, consolidated, and disposed of radioactive waste using Geiger counters under Prof. Lorcan Folan
- Proctored exams and labs for undergraduates to manage department workload

RESEARCH PROJECTS

KINETIC ALFVÈN WAVES Sept. 2017-May 2018
- Designed computer GUI/interface in Python for interacting with THEMIS and MMS satellite programs
- Researched basic magnetohydrodynamic effects of the ionosphere and presented findings

FARNSWORTH-HIRSCH FUSOR Sept. 2017-Jan. 2018
- Used MATLAB to simulate and constructed ion plasma confinement in an evacuated chamber to produce fusion
- Programmed a proof of concept in collaboration with mechanical and electrical engineers to obtain funding

NASA-SLOAN ATLAS CATALOG Sept. 2016-Dec. 2018
- Examined NASA surveys using R to research, clean and plot galaxy movement data to produce teaching material
- Analyzed fits, gzip and csv files using Interactive Data Language (IDL) for cosmology research involving red shift

RELEVANT COURSEWORK

Computational Physics | Engineering and Problem Solving | Machine Learning | Discrete Mathematics | Data Science
Data Structures and Algorithms | Quantitative Analysis | Database Management Systems | Enterprise Intel Development

LANGUAGES

English, Spanish, Arabic