HABEEBA MANSOUR

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EDUCATION

B.A. in Chemistry and Computer Science, Barnard College of Columbia University in the City of New York, Fall 2020 - Spring 2023
- o   Cumulative GPA: 3.95 out of 4.0

BSc Candidate in Chemistry and Computer Engineering, The American University in Cairo (AUC), Fall 2018 - Spring 2020
- o   Cumulative GPA: 3.96 out of 4.0

WORK EXPERIENCE

- **Research Assistant at Campbell Lab** Summer 2022 - current
  - o   Operated NMR, SCXRD, IR machines.
  - o   Presented work at ACS conference and Lida Orzeck poster session.
- **Research Assistant at A^{2}R Lab** Spring 2023 – current
  - o   Trained reinforcement learning models on tiny robots using NVIDIA's Isaac Sim and Isaac Gym.
- **Head TA in W3827 Fundamentals of Computer Science W3827** Fall 2021 - Fall 2022
  - o   Managed a team of 13 TAs in a class of 300+ students.
  - o   Held weekly office hours to help students.
- **Work Study TA in Fundamentals of Computing II** Spring 2020
  - o   Tutored students struggling with the content of the course.
  - o   Supervised on the final project of the students and helped them with any issues they had in their code.
- **Ahead-of-The-Curve (ATC) full time intern**, Jan-Feb 2016
  - o   Assessed more than 20 business plans provided by entrepreneurs based on competitive pre-determined criteria to win EGP. 100,000 in funding.
  - o   Presented my recommendations to my manager and the CEO.

AWARDS

- **RSC Certificate of Undergraduate Excellence** – Spring 2023
- **Senior Marshal** – Spring 2023
- **Dean's List** Fall 2018 – Fall 2022
- **Marie Reimer Scholarship Fund Prize** – Spring 2022
- **Bristol Myers Squibb Scholarship** – Spring 2020

EXTRACURRICULAR ACTIVITIES

- **Grey Matters, Scientific Review Editor** Fall 2021 – Fall 2022
  - o   Assessed writer's sources and ensuring the accuracy of facts presented.
  - o   Served as a research aid and providing additional scientific resources/articles to help authors advance their arguments or expand concepts.
  - o   Created and fine-tuned all citations for assigned articles.

RELEVANT COURSEWORK

- **Computer Science:** Design Using C++, Artificial Intelligence, Applied Machine Learning, Computational Aspects of Robotics
- **Chemistry and Biology:** Advanced Inorganic Chemistry, Advanced Organic Chemistry, Quantum Chemistry, Genetics, Microbiology

OTHER

Computer Skills:
- o   Programming languages (Years of Experience): C++ (5), Python (5), Java (5), MIPS (3), NVIDIA CUDA(2), NVIDIA Isaac Sim(1), NVIDIA Isaac Gym(1)
- o   OS: Mac OS, Linux/Unix, Windows
- o   Excel, PowerPoint, Word skills

Language:
- o   Fluent in written and spoken Arabic, written German.
- o   Intermediate in written and spoken Italian.