HANA AKBARNEJAD

60 Haven Ave, Apt. 2E, New York, New York 10032 | (206) 434-5710 | HA2546@cumc.columbia.edu

EDUCATION

COLUMBIA UNIVERSITY, MAILMAN SCHOOL OF PUBLIC HEALTH — New York, New York
Master of Science (MS) in Biostatistics — Expected May 2021

UNIVERSITY OF WASHINGTON AT SEATTLE/SEATTLE PACIFIC UNIVERSITY — Seattle, WA
Part-time Non-Matriculated Student — March 2017 - Dec 2018
Academic courses in Biostatistics, Mathematics, and Computer Programming

UNIVERSITY OF TEHRAN — Tehran, Iran
Master of Science (MS) in Nanobiotechnology — Feb 2017
GPA: 18.85/20 (equivalent to 4.0/4.0)

UNIVERSITY OF TEHRAN — Tehran, Iran
Bachelor of Science (BS) in Cellular and Molecular Biology — Feb 2013
GPA: 17.12/20 (equivalent to 3.68/4.0)

ACADEMIC RESEARCH

UNIVERSITY OF TEHRAN/TARBIAT MODARES UNIVERSITY — Sep 2015 - Feb 2017
"Investigations on Nanotoxicity of Gold Nanoparticles on Acetylcholinesterase"

UNIVERSITY OF TEHRAN — Sep 2015 - Feb 2017
"in silico Study of Gold Nanoparticle-Cholinesterases Interactions; A Molecular Dynamics Simulation Study"

RELATED COURSEWORK

Data Science (R programming Language), Introduction to Biostatistical Methods, Epidemiology, Engineering Probability and Statistics, Probability and Mathematical Statistics, Linear Algebra, Differential Equations, Linear Analysis, Applied Biostatistics, Design of Experiments and Statistical Analysis of Data (covered SAS), C++ Programming, Java Programming, Biostatistics Lab. (covered SPSS), Calculus I, II, and III, and courses in Genetics, Bioinformatics, Cell and Molecular Biology, Microbiology, Immunology, Biochemistry, Biophysics, and Nanotechnology.

LEADERSHIP AND INVOLVEMENT

HEALTHCARE DATA ANALYTICS STUDENT ORGANIZATION (OPERATIONS VP) — Sep 2019 - Present
Defining and implementing organization's operations strategy, structure, and processes
Organizing skills-based workshops and professional networking events for Mailman SPH students

HONORS AND AWARDS

Honored as a member of "Exceptional Talents of University of Tehran" for being — Feb 2017
top-ranked in coursework and thesis defense in Nanobiotechnology

Ranked in top 0.4% among undergraduate students who took the university — Aug 2013
Iranian entrance exam for graduate studies in biological sciences

Honored as a member of "Exceptional Talents of University of Tehran" for ranking — Feb 2013
among top 10% of all Biological Sciences Students

Ranked in top 0.2% among nearly 500,000 who took Iranian university entrance exam — July 2008

SKILLS

- Statistical packages: SAS, SPSS, Minitab, GraphPad Prism
- Programming languages: R, Java, C++
- Relational Data base Design, Github, Tableau
- General: Microsoft Office (Word, Excel, PowerPoint), LaTex, Overleaf, Adobe Illustrator
- Bioinformatics tools: Oligo Primer Analysis, Gene Runner
- Various Biophysical packages and Molecular, Cellular, Biochemical, Biophysical lab skills
- Languages: Native Farsi, Fluent in English

WORK AUTHORIZATION

Legal permanent resident, authorized to work in the United States with no limitation