MEHDAD ZAMAN

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EDUCATION

Stony Brook University, Stony Brook, NY (GPA: 4.00) Expected May 2022
Computer Science, Bachelor of Science
Related Coursework: Data Structures, Data Science, Mobile App Development, Introduction to Computer Systems, Computer System Fundamentals, Programming Abstractions, Object Oriented Programming, Discrete Math, Theory of Computation, Linear Algebra, Multivariable Calculus, Statistics, and Applied Combinatorics

New Explorations into Science, Technology, and Mathematics High School (NEST+m), New York, NY (GPA: 97) June 2018

EXPERIENCE

Moody's Analytics, New York, NY July 2019 – August 2019
Financial Engineering Intern

- Created SQL queries to aggregate data for SEV6 Legacy data feed project under mortgage back securities teams
- Mapped approximately 3,000 deals from Lewtan Technologies' data feed to Moody's data feed on LoanDQ and SingleSource software
- Utilized Excel and SQL to specify Deal IDs needed for tranches and pools in need of transfer on mapping platforms

EcoHealth Alliance, New York, NY July 2018 – August 2018
Data Analyst Intern

- Read 300 surveys, regarding climate change and infectious diseases, from Excel into RStudio
- Used computer/data science language "R" to clean and create graphical visualizations of data
- Presented findings and conclusions about infectious diseases and climate change to scientists and researchers

Computer Science Department, NEST+m High School, New York, NY September 2017 – June 2018
Teaching Assistant, Course: Introduction to Computer Science

- Troubleshooted and fixed any errors in the student's computers, problem sets, and final projects.

Parent Teacher Association, NEST+m High School, New York, NY September 2017 – June 2018
Student Software Designer

- Led a team of high school students in the Advanced Coding Club to learn and use JavaScript and to implement Framework 7 to design a mobile event calendar application for the NEST+m community

Network for Teaching Entrepreneurship, New York, NY July 2017 – September 2017
Team MasterCard Intern

- Worked in a team of high school students mentored by business professionals and software engineers from the MasterCard technology hub to create a business plan and a social journaling app using HTML, CSS, and JavaScript

RESEARCH

New York University, New York, NY October 2016 – May 2017
Advisor: Dr. Ignatius Tan, PhD, Associate Professor
Studied the function of the ACN-1 gene, associated with Alzheimer's Disease, in *Caenorhabditis elegans*. RNA interference of target sequence, ACN-1, was inserted into plasmids and transformed into *Escherichia coli*. Functional analysis of ACN-1 was assayed through phenotype scoring of *C. elegans* with ACN-1 gene silenced through exogenous *E. coli* RNAi inserted plasmids. Presented at NYU STEP Symposium, New York, NY: **Zaman M., Bú D., Philibert J., Trye E.** "Functional Analysis of ACN-1, an Alzheimer's Linked Gene, in *Caenorhabditis elegans"* (May 2017)

SKILLS

- Computer Languages: Java, Python, C, Swift, SQL, R, HTML, CSS, and XML

ENRICHMENT PROGRAMS

INROADS Internship, New York, NY October 2019 – Present
NYC Ladders for Leaders; Pencil Internship, New York, NY April 2018 – August 2018
NYU Science Technology Entry Program, New York, NY June 2012 – June 2018
Cornell University Catalyst Engineering Program, Ithaca, NY June 2016 – July 2016

HONORS AND AWARDS

Presidential Scholarship, *Stony Brook University* August 2018 - Present
First Place for best Nutritional Hack at HackHealth, *Stony Brook University* February 2020
Academic Excellence Award, *Stony Brook University* February 2020
Association of Teachers of Mathematics of New York City Award, *NEST+m High School* June 2018
State of New York Office of the Attorney General Triple "C" Award, *NEST+m High School* June 2018
Third Best Business Pitch Deck and Application, *Network for Teaching and Entrepreneurship* September 2017
Outstanding Achievement in Cyber Security, *NYU Science Technology Entry Program* May 2016