

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: Algorithms, Data Structures, Software Development, Data Science, Mobile App Development, Introduction to Computer Systems, Computer System Fundamentals, Programming Abstractions, Object Oriented Programming, Probability and Statistics, and Linear Algebra

EXPERIENCE

Moody's Analytics, New York, NY

July 2019 – August 2019

Financial Engineering Intern

- Used SQL to aggregate data from Legacy data feeds under mortgage backed and asset backed securities teams
- Mapped 3,000 deals from the data feed of an acquired company to Moody's database using internal software, assisting in the critical data migration project for all structured finance teams

EcoHealth Alliance, New York, NY

July 2018 – August 2018

Data Analyst Intern

- Automated the data processing of 300 surveys, regarding climate change and infectious diseases, in RStudio for predictive modeling
- Used R to clean and create graphical visualizations of data, providing insights to scientists and clinicians for future research projects involving models to predict outbreaks in rural regions of Malaysia

Network for Teaching Entrepreneurship, New York, NY

July 2017 – September 2017

Team MasterCard Intern

- Lead 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
- Won third place in Startup Tech Summer pitch deck competition at AppNexus

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)

HONORS

INROADS Fellow, *INROADS*

October 2019 – Present

Presidential Scholarship, *Stony Brook University*

August 2018 - Present

Best Nutritional Hack at HackHealth, *Stony Brook University*

February 2020

Academic Excellence Award, *Stony Brook University*

February 2020

Third Best Business Pitch Deck and Application, *Network for Teaching and Entrepreneurship*

September 2017

SKILLS

Java, Python, Android development, C, JavaScript, MongoDB, Express, React, Node, Swift/XCode, SQL, R, HTML, CSS, and XML