

# 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, Computer Networks, 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