Ann Arbor, MI
(516) 532-8612

njohari@umich.edu
neil@johari.tech
https://johari.tech/

Neil Johari

Education

Ann Arbor, MI	**University of Michigan**	**September 2018	April 2022**

- Bachelor of Science in Engineering in Computer Science.   GPA: 4.0

Syosset, NY	**Syosset High School**	**September 2014	June 2018**

- Diploma. Graduated with highest honors and Mastery in Science.   GPA: 8.632/8.0

Experience

Website Developer	**Syosset High School**	**September 2014	Present**

- Selected to lead design and implementation of the new Syosset Senior High School's website utilizing Ruby on Rails, MongoDB, and Redis (2017-present).
- Directed a content management team as president of Web Development Club (2015-2018).

Researcher	**Syosset High School**	**September 2014	June 2018**

- Successfully developed a machine learning model to analyze MRI scans of Alzheimer's disease patients resulting in 1st place award at NYSSEF Andromeda competition and 2nd place at WAC Lighting Foundation Invitational Science Fair (2016-2018).
- Created a model of video game hours played due to social influence with an analysis through machine learning resulting in a Gold Medal at Al Khalfus Long Island Math Fair (2015-2016).
- Conducted literary research on sleep deprivation resulting in the Syosset High School literary research award (2014-2015).

Skills

- Languages: English (Native), Spanish (Intermediate), Hindi (Spoken).
- Computer Programming Skillset: C++, Ruby, Java, MATLAB, Python, ArduinoC.

Projects

- **Scram** Programmed a transparent Ruby permissions system gem with MongoDB integration.
- **Mongoid Forums** Developed a Ruby on Rails gem for forums with MongoDB integration.
- **Autobroadcaster+** Published a server-wide scheduled broadcasting plugin for Minecraft.

Awards

- **1st Place at Andromeda** (New York State Science and Engineering Fair (NYSSEF)) and **2nd Place at Invitational Science Fair** (WAC Lighting Foundation) Awarded for the creation of a machine learning model to analyze MRI scans of Alzheimer's disease patients using convolutional neural networks.
- **Gold Medal at Math Fair** (Alfred Kalfus Long Island Math Fair) Awarded for the creation of a model of video game hours played due to social influence with an analysis through machine learning.
- **Nassau County Legislature Citation** (Nassau County Legislator Josh Lafazan) In recognition of leadership and community engagement.
- **Bernie Goudreau Memorial Award** (Syosset High School) In recognition of achievement in mathematics and computer science.
- **Seal of Biliteracy** (New York State) In recognition of proficiency in English & Spanish.