# Neil Johari

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

#### Education

Ann Arbor, MI University of Michigan Septemb

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: 100.0

## Experience

## Website Developer

Syosset High School

September 2014 | Present

- Designed and programmed 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

- Created a machine learning model to analyze MRI scans of Alzheimer's disease patients (2016-present).
- Created a model of video game hours played due to social influence with an analysis through machine learning (2015-2016).
- Conducted literary research on sleep deprivation (2014-2015).

#### Skills

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

#### **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

- Bernie Goudreau Memorial Award (Syosset High School) In recognition of achievement in mathematics and computer science. June 2018.
- Nassau County Legislature Citation (Nassau County Legislator Josh Lafazan) In recognition of leadership and community engagement. June 2018.
- Seal of Biliteracy (New York State) In recognition of proficiency in English & Spanish. June 2018.
- Physics Olympics Certificate of Excellence (American Association of Physics Teachers) In recognition of distinction in the Physics Olympics hosted at Farmingdale State College. March 2018.
- 1st Place at Andromeda (New York State Science and Engineering Fair (NYSSEF)) and 2nd Place at Invitational Science Fair (WAC Lighting Foundation) For the creation a machine learning model to analyze MRI scans of Alzheimer's disease patients using convolutional neural networks. March 2017.
- Gold Medal at Math Fair (Alfred Kalfus Long Island Math Fair) Awarded for a model of video game hours played due to social influence with an analysis through machine learning. May 2015.