Neil Johari

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Education:
- University of Michigan College of Engineering (2022)
- Syosset High School (2018)
    - GPA: 100 / 100
    - SAT: 1540 / 1600

Current Courseload:
- Math 216
- Engineering 101
- Physics 140

Additional Courses:
- Machine Learning at Stanford Pre-Collegiate Program (2016)
- Modern Technology and 3D Printing at NYiT (2015)

Awards:
- Bernie Goudreau Memorial Award (2017-2018)
- Nassau County Legislature Citation (2017-2018)
- 1st Place at NYSSEF Andromeda Science Fair (2016-2017)
- 2nd Place at WAC Lighting Foundation Invitational Science Fair (2016-2017)
- Gold Medal at Alfred Kalfus Long Island Math Fair (2015-2016)
- Outstanding Research Literary Award (2014-2015)

Skills:
- Languages: English, Spanish, Hindi (spoken)
- Computer Programming Skillset: Java, Ruby, HAML, ArduinoC, MongoDB, Redis

Experience:
- Web Development Club (2014-present)
    - Designed and programmed the new Syosset Senior High School's website utilizing Ruby on Rails, MongoDB, and Redis.
    - Continued maintenance, support, and feature support (2018-present).
    - Led a content management team as president (2015-2018).
- Research (2014-2018)
    - Created a machine learning model to analyze MRI scans of Alzheimer's disease patients using convolutional neural networks (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).
- HungerStruck (2015-2017)
    - Founder and lead programmer of online gaming community.
    - Coded a new approach to game management in Minecraft utilizing Kotlin and Ruby on Rails.
- Njay (2012-present)
    - Co-founder and programmer of website utilizing Ruby on Rails.
    - Created and contributed to various open-source frameworks and libraries for projects, including GitHub's peek-mongo gem.

Activities:
- Web Development Club (2014-present)
- Science Olympiad (2014-2015)
- Quizbowl (2015)
- Volunteer at Hicksville Gregory Museum (2014)

Projects:
- Scram (2017-present)
    - Programmed a transparent Ruby permissions system gem with MongoDB integration.
    - Used in Reddit's internal thread management system for Volunteer Live Team and in Syosset High School's official website.
- Mongoid Forums (2014-present)
    - Programmed an open source Ruby on Rails gem for forums with MongoDB integration.
- OCRANN (2016)
    - Programmed an optical character recognition software.
- Autobroadcaster+ (2012-2014)
    - Programmed a server-wide scheduled broadcasting plugin for Minecraft.
    - Downloaded 225,000+ times, and is still in use by 200 servers.