neil**johari**

⌨ software engineer

contact

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favorite technologies

git
vim
tmux

programming languages

Ruby
Java
C++
MATLAB
Python
ArduinoC

current courses

CS Pragmatics
Physics 240
Engineering 100
Statistics 240

courses taken

Differential Eqns.
Engineering 101
Physics 140

education

2018 - 2022	**B.S.E.** in Computer Science University of Michigan College of Engineering	Ann Arbor, MI GPA: 4.0/4.0
2014 - 2018	**Diploma** with highest honors and Mastery in Science Syosset High School	Syosset, NY GPA: 8.636/8.0

experience

2014 - now	**Website Developer**	https://syosseths.com

Selected to lead design and implementation of the new Syosset Senior High School's website utilizing Ruby on Rails, MongoDB, and Redis (2017-now). Responsible for 280+ commits with 24,000+ changes. Project was started from scratch, open sourced with MIT License, and features extensive permission system and administrative backend.

2014 - 2018	**Researcher**	https://neiljohari.page.link/ml

Successfully developed a machine learning model to analyze MRI scans of Alzheimer's disease patients (2016-2018).
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).

open source side projects

2016 - now	**Scram**	https://github.com/neiljohari/scram

Programmed a transparent Ruby permissions system gem with MongoDB integration.

2014 - 2015	**Mongoid Forums**	https://github.com/NJayDevelopment/mongoid_forums

Developed a Ruby on Rails gem for forums with MongoDB integration.

2012 - 2014	**AutoBroadcaster+**	https://dev.bukkit.org/projects/abp

Published a server-wide scheduled broadcasting plugin for Minecraft. Downloaded 227k+ times.

awards

2018	**Nassau County Legislature Citation**	

In recognition of leadership and community engagement.

2018	**Bernie Goudreau Memorial Award**	

In recognition of achievement in mathematics and computer science.

2017	**1st Place at Andromeda, 2nd Place at WAC Invitational**	

Awarded for the creation of a machine learning model to analyze MRI scans of Alzheimer's disease patients using convolutional neural networks.

2015	**Gold Medal at Al Khalfus Math Fair**	

Awarded for the creation of a model of video game hours played due to social influence with an analysis through machine learning.