

# George Varghese

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## EDUCATION

### NJIT

New Jersey Institute of Technology

**B.S. in Computer Science**

Expected 2020

Cumulative GPA: 3.04 / 4

College of Computing Sciences

Dean's List

### Relevant Courses:

Intensive Programming in Linux

Artificial Intelligence

Analysis of Algorithms

Computer Architecture

Partial Differential Equations

Linear Algebra

## SKILLS

### PROGRAMMING

#### Experienced:

Java • CSS • HTML • Python

#### Familiar:

SQL • Matlab • SAP HANA

C • UNIX • AWS • C++

Android

## ACTIVITIES

### CLUBS

#### HackSpace

Computer Science Club

{Founded this club and created a community where fellow students shared ideas and collaborated on projects}

#### ACM

Association of Computing Machinery

### AWARDS

2017 DoD SMART Scholar

## EXPERIENCE

### THETA TAU | WEBMASTER

December 2018 – Present | Newark, NJ

- Created and developed new website based on organization goals and requirements to achieve web industry standards
- Adhered to timeline for website creation in order to keep process efficient and finish website prior to deadline
- Provided support on an ongoing basis, completing content updates

### NJIT CS100: PYTHON PROGRAMMING | Teaching Assistant

September 2017 – May 2018 | Newark, NJ

- Provided assistance by giving lectures about Python Programming and grading homework and tests
- Helped students succeed by hosting tutoring sessions and recitation classes
- Developed an application to streamline the grading process

### PARSIPPANY TROY HILLS LIBRARY | Technical Support

July 2016 – August 2016 | Parsippany, NJ

- Developed a new user interface for the library website
- Increased the accessibility for visually impaired people

### SSP: SUMMER SCIENCE PROGRAM | Researcher

June 2015 – August 2015 | Socorro, NM

- Studied Astronomy and Astrophysics
- The Research got published by Minor Plant Center, NASA.
- Developed series of Python programs to calculate asteroid (2001 MZ7) orbital elements and predict its orbital path

## RESEARCH

### UNDERGRADUATE RESEARCH AND INNOVATION | Researcher

November 2016 – Present | Newark, NJ

SensorCommun

Developing a micro-controller for IoT sensors which can adapt to various different sensors while providing smart adaptation and remote update functionalities.

#### Technologies Used:

Python, C++, Arduino, Eagle

### WYCC: WING YU COLLEGE OF COMPUTING | Research Assistant

June 2017 – September 2017 | Newark, NJ

AI Research (Aisogood.org)

Helped with Tweeter Drug Abuse Detection project by creating a web based application to analyze and visualize the data.

#### Technologies Used:

HTML, JavaScript, CSS, ReactJS, Bootstrap

## PROJECTS

### INGRESS ANNOUNCEMENT | Individual Project

November 2015 - May 2016

A digital signage system which provides a platform for announcement directly from educational departments, organizations, and clubs. Currently being used at all the residence halls at NJIT.