

Yash Sharma

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Education

Michigan State University, East Lansing, M.I.

Bachelor of Science, Computer Engineering - Honors College
Dean's Honor List - Fall 2016, Spring 2017
Minor: Cognitive Science

May 2020 (Expected)

GPA – 3.73/4.0

Experience

Teaching Assistant

August 2017 – Present

Dept. of Computer Science and Engineering, Michigan State University

- Took leadership for a section of 22 students in a weekly laboratory focusing on an individual OOP concept in Python for Intro to Python class at MSU
- Graded weekly projects that test and expand student's ability to design and implement algorithms in Python
- Held consulting & office hours weekly, assisting students with specific difficulties in class and projects

Student Information Technician Assistant I

October 2016 – August 2017

Infrastructure Planning and Facilities, Michigan State University

- Led the testing for the Windows 10 upgrade project for the entire department
- Assisted upgrading the systems inventory by researching and testing new frontends for the SQL backend
- Developed Python scripts to fetch employee details of over 500 employees to update the systems inventory data

Projects

Door's Open!: <https://devpost.com/software/door-s-open>

September 2017

MHacks X

- A webapp to help schedule students and professor with the open-door office hours
- App handles multiple professors and multiple classes for each professor. Usability is designed for minimal effort on both professors and students
- Backend written in Python using Flask framework. Hosted on Google App Engine. Google Cloud Datastore used for the database

SpartaHack 2018

August 2017 – Present

WebMaster

- Lead a team of 2 web developers to port the existing SpartaHack website backend from Ruby on Rails to Python to facilitate user registration, authentication, and application processing
- Currently planning to implement Gavel, HackMIT's project expo judging system, to facilitate judging for the hackathon projects

Project-Site-Scraper: <https://github.com/yash1337/Project-Site-Scraper>

February 2017

- The web scraper is written in Python3 using requests and BeautifulSoup4 libraries
- Script handles proper authentication and downloads all the Labs, Lecture Notes, Worksheets, Videos, and Project Files from the Intro to C++ and Discrete Math course websites

Skills

- Languages: Python, HTML, CSS, SQL, Java, C++
- Frameworks and Libraries: Flask, Google Cloud Platform, BeautifulSoup4, requests, SQLite3