

# YASH VESIKAR

LinkedIn: [/in/yashvesikar](#) | Github: [yashvesikar](#) | [vesikary@msu.edu](mailto:vesikary@msu.edu) | [vesikar.com](#)

## RESEARCH INTERESTES

Evolutionary Optimization, Programming Languages, Computational Intelligence, Genetic Programming

## EDUCATION

Michigan State University

**B.S. Computer Engineering**

College of Engineering

Honors College & Dean's List (All full-time semesters)

Cumulative GPA: **3.74/4.00** | Technical GPA: **3.72/4.00**

Sept. 2016 – Dec. 2019

## RESEARCH EXPERIENCE

COIN Laboratory – Michigan State University

**Undergraduate Research Assistant**

- Currently working on Dynamic Time Dependent Travelling Salesman Problem for efficient ship scheduling
- Working with Dr. Kalyanmoy Deb to develop a novel reference point based many-objective optimization algorithm called R-NSGA-III.
- Contributing to a modular Evolutionary Multi-Objective Optimization library with algorithms and test problems in Python 3 called [PyMoo](#).

May 2018 – Present

## TEACHING EXPERIENCE

Michigan State University

**Undergraduate Lecture Assistant – “Data Structures and Algorithms”**

- Assist students with algorithms and data structures projects and questions.
- Designed and graded weekly student projects and operated weekly help room.

Sept. 2018 – May 2019

**Undergraduate Lecture Assistant – “Introduction to Programming I”**

- Taught a lab of 20+ students the fundamentals of Python programming.

Jan. 2018 – May 2018

## PROFESSIONAL EXPERIENCE

Microsoft Corporation – Redmond, WA

**Program Manager Intern – Data Analyst**

- Developed a methodology to analyze Azure Data customer consumption ramp times and determine patterns in customers consumption lifecycles.
- Created business analysis process to identify customers at risk of leaving Azure Data services based on consumption trends – going to be used internally as a reporting metric.

May 2019 – Aug. 2019

Fulcrum-GT – Chicago, IL

**Software Engineering Intern – Full Stack Developer**

- Led the front-end development team to develop a chat bot for professional service providers.
- Demonstrated MVP application and led technology discussion at ILTACON - A legal technology conference.

May 2017 – Aug. 2017

## PUBLICATIONS AND PRESENTATIONS

*“Identifying User Preferred Solutions using R-NSGA-III” - Presentation*

Evolutionary Multi-Criterion Optimization Conference – East Lansing, MI

March 2019

*“Reference Point Based NSGA-III for Preferred Solutions” - Publication*

IEEE Symposium Series on Computational Intelligence Conference – Bangalore, India

November 2018

*“Reference Point Based Multi-Objective Optimization for Preferred Solutions” - Presentation*

Mid-SURE Conference – East Lansing, MI

July 2018

## AWARDS & HONORS

Thomas and Marilyn Culpepper Engineering Endowed Scholarship

September 2019

Ford Company Scholarship

September 2018

Alan Mulally Leadership in Engineering Scholarship Finalist

September 2017