

# Ashwin Mishra

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## EDUCATION

### YOUNGSTOWN STATE UNIVERSITY

May, 2019 | Youngstown, Ohio

#### B.S. IN COMPUTER SCIENCE

College of Science, Technology, Engineering,  
and Mathematics

#### MINOR IN MATHEMATICS

President's List (All Semesters)

GPA: 4.0/4.0 (Cumulative)

## LINKS

Github: [ashwin9999](#)

LinkedIn: [ashwin-mishra](#)

## SKILLS

### PROGRAMMING LANGUAGES

Java • JavaScript • C++ • Python • C# •  
PHP • Shell script

### FRAMEWORKS, PLATFORMS & LIBRARIES

React.js • Redux • Bootstrap • Node.js •  
Express.js • Spring • Django • Flask •  
Corona • React Native • TensorFlow • Qt

### BUILD & TEST AUTOMATION

npm • Gradle • Maven • Travis CI •  
Selenium

### DEPLOYMENT

Heroku • Digital Ocean

### DATABASES

MySQL • MongoDB • PostgreSQL

### CONCEPTS

HTTP • AJAX • JSON • REST • UML •  
Design Patterns • Version Control (Git &  
SVN)

## ORGANIZATIONS

### 2016 - PRESENT

- Association for Computing Machinery (Student Chapter Member)
- Society for Industrial and Applied Mathematics (Computer Science Representative)
- National Society of Collegiate Scholars

## RESEARCH & WORK EXPERIENCE

### YOUNGSTOWN STATE UNIVERSITY

NATURAL LANGUAGE PROCESSING | INDEPENDENT STUDY

August, 2018 - Present | Fall semester, senior year

- Develop a Sentiment Analyzer that analyzes the sentiments behind the professor-reviews on RateMyProfessor.
- Develop a Google Chrome extension that sorts the professor-reviews according to the polarity of reviews.

Language: Python

Supervisor: Prof. Alicia P. Langarica

### WEB CRAWLING | UNDERGRADUATE RESEARCH

Jan, 2018 – May, 2018 | Spring semester, sophomore year

- Developed a web crawler that crawls the website, [www.dealnews.com](#) and fetches deals.
- Developed a Recommender System that uses k-NN to recommend deals to users using the crawled data.

Language: Python

Supervisor: Prof. John Sullins, Prof. Feng Yu

### EYE TRACKING | ON-CAMPUS JOB

May, 2017 – July, 2018 | Research Assistant (Promoted to Software Developer)

- Led the development of iTrace, an Eclipse IDE-based plugin that implicitly gathers eye gazes and maps them to the IDE elements.
- Led the development of iTrace-Chrome, a Chrome extension that maps eye gazes to the attributes of the websites opened in Chrome.

Language: Java, JavaScript

Supervisor: Prof. Bonita Sharif

## PEER REVIEWED PUBLICATION

### ETRA 2018 | EYE TRACKING RESEARCH & APPLICATIONS

June 14-17, 2018 | Warsaw, Poland

Drew T. Guarnera, Corey A. Bryant, Ashwin Mishra, Jonathan I. Maletic, and Bonita Sharif. 2018. iTrace: eye tracking infrastructure for development environments. In Proceedings of the 2018 ACM Symposium on Eye Tracking Research & Applications. ACM, New York, NY, USA, Article 105, 3 pages. DOI: <https://doi.org/10.1145/3204493.3208343>

## AWARDS & HONORS

2018	Best Demo	ACM ETRA conference, Warsaw'18
2017	Most Valuable Person in a Team	Software Engineering Project
2016	Scholarship for Excellence	Youngstown State University

## LEADERSHIP

### INTERNATIONAL STUDENTS' ORGANIZATION | PRESIDENT

August, 2017 - August, 2018 | Youngstown State University

- Led and organized the International Education Week, an annually celebrated week where International students share and celebrate their cultural differences and similarities.
- Developed and moderated forums for current and prospective International students where questions, suggestions and concerns regarding the International Students' community were addressed.