

# Ashwin Mishra

1537 FOUNTAIN SQUARE DR, YOUNGSTOWN, OH 44515  
ASHWIN.NEP@GMAIL.COM | 330.397.8589

## EDUCATION

### YOUNGSTOWN STATE UNIVERSITY

05/2019 | Youngstown, Ohio

### B.S. IN COMPUTER SCIENCE

College of Science, Technology, Engineering,  
and Mathematics

### MINOR IN MATHEMATICS

President's List (All Semesters)

GPA: 4.00/4.00 (Cumulative)

## LINKS

Website: <https://ashwin9999.github.io>

Github: [ashwin9999](#)

LinkedIn: [ashwin-mishra](#)

## SKILLS

### PROGRAMMING LANGUAGES

JavaScript • Python3 • C++ • Java • Rust

### FRAMEWORKS & LIBRARIES

Angular 2+ • NgRx • Ionic • Node.js • Koa  
• Spring • TensorFlow • GraphQL

### DEPLOY/BUILD/ORCH/TEST

Kubernetes • Docker • Terraform •  
Maven • Circle CI • Mocha • Chai

### DATABASES

PostgreSQL • MongoDB • DynamoDB

### OTHERS

gRPC • REST • Microservice/Monolith  
architecture • Version Control (Git) •  
Redis • CI/CD • Neural Networks (CNN,  
RNN) • Support vector machine •  
MapReduce • Bayesian Statistics

## LEADERSHIP

### INTERNATIONAL STUDENTS'

### ORGANIZATION | PRESIDENT

08/2017 - 08/2018 | Youngstown  
State University

- Led and organized the International Education Week where International students share and celebrate their cultural differences and similarities.
- Developed and moderated forums for current and prospective International students to address their concerns.

## RESEARCH & WORK EXPERIENCE

### NATURAL LANGUAGE PROCESSING | INDEPENDENT STUDY

08/2018 - 12/2018 | Fall semester, senior year

- Developed a Sentiment Analyzer that analyzes the sentiments of student surveys from Youngstown State University.
- Developed a Google Chrome extension that sorts the professor reviews according to the polarity of reviews.

Language: Python3, JavaScript

Supervisor: Dr. Alicia P. Langerica

### VIRTUAL DISK IMAGE SCANNER | OPERATING SYSTEMS PROJECT

01/2018 - 05/2018 | Spring semester, sophomore year

- Developed a program that copies files into and out of a Virtual Disk Image (VDI) file containing a Linux Ext2 filesystem.
- Developed a Command-Line-Interface that mimics a bash interface having basic bash commands.

Language: C/C++

Supervisor: Dr. Robert Kramer

### SENSOURCE INC.

### JR. SOFTWARE ENGINEER

06/2019 - Present

- Improved the retrieval time for occupancy data by over **70%** by optimizing retrieval queries and utilizing caching strategies.
- Transformed a monolith web application to numerous micro-services for simpler and rapid development/deployment.
- Design, develop and maintain SenSource software solutions which includes writing fault-tolerant high-level code, testing and implementing software applications to meet the functional and technical requirements.

### YOUNGSTOWN STATE UNIVERSITY

### RESEARCH ASSOCIATE

05/2017 - 07/2018

- 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 the eye gazes to the attributes of the websites opened in Chrome.

Language: Java, JavaScript

Supervisor: Dr. Bonita Sharif

## PEER REVIEWED PUBLICATION

### ETRA 2018| EYE TRACKING RESEARCH & APPLICATIONS

06/2018| Warsaw, Poland

Drew T. Guarnera, Corey A. Bryant, Ashwin Mishra, Jonathan I. Maletic, and Bonita Sharif. 2018. iTrace: eye tracking infrastructure for development environments. DOI: <https://doi.org/10.1145/3204493.3208343>

## AWARDS & HONORS

2018 Best Demo

2017 Most Valuable Person in a Team

2016 Scholarship for Excellence

ACM ETRA conference, Warsaw

Software Engineering Project

Youngstown State University