

Ashwin Mishra

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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 • TypeScript • Python3 • C++

• Rust • Java • Go

FRAMEWORKS & LIBRARIES

React.js • Redux • Bootstrap • Node.js •

Express.js • Spring • Django • AngularJS

• TensorFlow

DEPLOY/BUILD/ORCH/TEST

Kubernetes • Docker • Gradle • Maven •

Circle CI • Mocha • Chai

DATABASES

PostgreSQL • Redis • MongoDB •

CONCEPTS

gRPC • REST • Microservice/Monolith

architecture • Version Control (Git)

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 - 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: Python3, JavaScript

Supervisor: Prof. Alicia P. Langarica

VIRTUAL DISK IMAGE SCANNER | OPERATING SYSTEMS PROJECT

01/2018 - 03/2018 | 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-style interface having basic bash commands.

Language: C/C++

Supervisor: Prof. Robert Kramer

SENSOURCE INC.

JR. SOFTWARE ENGINEER

06/2019 - Present

- Improved the retrieval time for sensor data by over **70%** by optimizing retrieval queries and utilizing caching strategies
- Presently working on shifting a monolith web application to microservices for simpler, rapid deployment/development
- Assist in the development, implementation and management of 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: Prof. 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