Ashwin Mishra

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EDUCATION

YOUNGSTOWN STATE UNIVERSITY
08/2016-05/2019 | Youngstown, Ohio
B.S. in Computer Science
Minor in Mathematics
Summa Cum Laude
President's List (All Semesters)
GPA: 4.00/4.00

LINKS

Website: https://ashwin9999.github.io
Github: ashwin9999
LinkedIn: ashwin-mishra

SKILLS

PROGRAMMING LANGUAGES
JavaScript • Python • C++ • Java • Rust

FRAMEWORKS & LIBRARIES
Angular 2+ • NgRx • Ionic• Node.js • Koa
• Spring • GraphQL • TensorFlow • NLTK
• NumPy • SciPy • Scikit-learn • Pandas

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) • LSTM • Support vector machine •
MapReduce • Bayesian Statistics

LEADERSHIP

International Students' Organization | President
08/2017 - 08/2018 | Youngstown
State University

- Organized the International
  Education Week - a week-long event
  where international students
  celebrate cultural diversity.
- Developed and moderated online
  forums for current and prospective
  international students to address
  their concerns regarding admission
  and financing.

RESEARCH & WORK EXPERIENCE

Speech to SQL | Senior Capstone Project
01/2019 - 05/2019 | Spring semester, senior year
- Developed a program that translates human voice to SQL commands
  using a Convolutional Neural Network.
- Implemented sequence annotation without alignment that is on par
  with Connectionist Temporal Classification (CTC) while being simpler.

Language: Python
Supervisor: Dr. Feng Yu

Sentiment Analysis | Independent Study
08/2018 - 12/2018 | Fall semester, senior year

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

Language: Python, JavaScript
Supervisor: Dr. Alicia P. Langarica

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-Eclipse, an Eclipse IDE 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

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