ryan.zembrodt@uky.edu **Ryan Zembrodt** (859) 948-6338

Education:

University of Kentucky, Lexington, KY **August 2017 to Present**
Master of Science in Computer Science Expected Graduation Date: May 2019
Relevant Computer Science Coursework: **Current GPA of 3.66**

- Machine Learning – Operating Systems
- Large Scale Data Science – Models of Computation
- Independent Study with Sequence to Sequence Networks

University of Kentucky, Lexington, KY **Graduation Date: May 2016**
Bachelor of Science in Computer Science, Minor in Mathematics **Cumulative GPA of 3.33**
Relevant Computer Science Coursework:

- Senior Design Project (Machine Learning) – Concurrent Programming
- Introduction to Artificial Intelligence – Systems Programming

Other Coursework:

- Studied global energy issues through the University of Kentucky at the Karlsruhe Institute of Technology in Karlsruhe, Germany during the summer of 2015

Computer Skills:

Programming Languages: Java, Python, JavaScript, C, C++, Go, C#, SQL
Web Development: Spring, Django, Django Rest Framework, Angular
Other: Git, Maven, Hadoop, MapReduce

Work Experience:

Valvoline, Lexington, KY **October 2017-December 2017**
Web Developer; contributing member of Valvoline Instant Oil Change development team
- Helped develop and fix bugs for several Valvoline web applications
- Worked with the development team using the Agile methodology

Tata Consultancy Services, Cincinnati, OH **August 2016-July 2017**
Performance Engineer; contributing member of performance engineering and testing team
- Create, revise, and test scripts on HP Loadrunner used to test the performance applications
- Write technical documentation for client applications and the process of how to test them

Ashland, Inc. Lexington, KY **January 2014-May 2014, August 2014-May 2015**
Information Technology Co-op; contributing member of Web Development team.
- Worked with Java and the Spring framework to create several web applications
- Recreated existing Valvoline web application using new tools such as PrimeFaces and Maven
- Created and edited databases using Microsoft SQL Server
- Wrote technical documentation for developed applications

Campus work:

University of Kentucky, Lexington, KY **August 2018-Present**
Tau Beta Pi Tutor; Tutored various Computer Science 100 to 400-level courses.
- Tutored programming intro courses (C/C++, Python), as well as systems programming

University of Kentucky, Lexington, KY **July 2018-August 2018**
ITS Intern; summer intern with the University of Kentucky ITS department
- Wrote knowledge base articles, proofread articles, converted articles to HTML for upload

University of Kentucky, Lexington, KY **January 2018-May 2018**
CS 470 Grader; grader for the Spring Semester Introduction to Operating Systems course
- Graded students' written assignments and C/C++ programs

Other:

Django Personal Project **January 2019-Present**
- Developed a web application using a Django Rest Framework API backend and an Angular frontend. Deployed to production using Heroku
- Implemented user authentication using Django Rest Auth tokens
- Stores user-uploaded images on a separate Amazon Simple Storage Service
- API allows users to view, create, update, and delete data specific to them