ryan.zembrodt@gmail.com   **Ryan Zembrodt**   (859) 948-6338

Education:

University of Kentucky, Lexington, KY   **Graduation Date: May 2019**
Master of Science in Computer Science
Relevant Computer Science Coursework: **Cumulative GPA of 3.70**

- Machine Learning   – Operating Systems
- Large Scale Data Science   – Models of Computation
- Capstone project involving Sequence to Sequence Networks and HREDs

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)   – Introduction to Artificial Intelligence

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, Go, JavaScript, C, C++, C#, SQL
Web Development: Spring, Django, Django Rest Framework, gRPC
Other: Git, Maven, Docker, Google Cloud

Work Experience:

Flooid, Cincinnati, OH   **June 2019-Present**
Software Engineer; contributing member of the point of sale software development team
- Introduce new features into the software product requested by customer
- Debug and fix defects found by QA or customer
- Ownership of features specific to the customer at their Foxwoods casino stores

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
- Created and modified databases using Microsoft SQL Server
- Wrote technical documentation for developed applications

Campus work:

University of Kentucky, Lexington, KY   **August 2018-May 2019**
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   **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:

Go Server Personal Project   **February 2020-Present**
- Developing the backend for a mobile and web application side project
- Built using Go and communicates with clients via a REST API
- Connects and interfaces with a PostgreSQL database
- Containerized with Docker and deployed with Google Cloud

Django Personal Project   **January 2019-May 2019**
- Developed a web application using a Django Restful API backend and an Angular frontend
- Implemented user authentication using Django Rest Auth tokens
- Stores user-uploaded images on a separate Amazon Simple Storage Service