

✉ ryan.zembrodt@gmail.com

☎ (859) 948-6338

Ryan Zembrodt

🏠 zembrodt.com

🐙 github.com/zembrodt

## Education

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### University of Kentucky

Graduated May 2019

- ❖ **Computer Science, MSc** (Cumulative GPA of 3.70)
- ❖ Computer Science course grader and tutor through Tau Beta Pi
- ❖ Capstone project using sequence to sequence and hierarchical neural network models

### University of Kentucky

Graduated May 2016

- ❖ **Computer Science, BSc** (Cumulative GPA of 3.33) – Mathematics, Minor
- ❖ Studied global energy issues at the Karlsruhe Institute of Technology in Germany during summer 2015
- ❖ Senior design project from Lexmark using machine learning

## Skills

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**Programming languages:** Java, Go, Python, SQL, JavaScript, TypeScript, CSS/Sass, C/C++

**Libraries/Frameworks:** Angular, Spring, Django, Node.js, gRPC

**Other:** Git, Docker, Google Cloud, Heroku, Netlify, Atlassian, Jenkins, DB2, PostgreSQL

## Experience

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### Flooid – Software Engineer

Cincinnati, OH | June 2019 – Present

- ❖ Implemented and owned features required by client
- ❖ Investigate and develop fixes for defects on both local and remote machines
- ❖ Ownership of changes within base product codebase used by all clients
- ❖ Training of several additional developers in working with the codebase and our product

### Valvoline – Web Developer

Lexington, KY | October 2017 – December 2017

- ❖ Worked within development team using Agile methodology
- ❖ Assisted in developing fixes for several Valvoline web applications

### Tata Consultancy Services – QA / Performance Engineer

Cincinnati, OH | June 2016 – August 2017

- ❖ Assisted in creating test scripts, writing technical documentation, and testing clients' applications

### Ashland, Inc. – Web Developer Co-op

Lexington, KY | January 2014 – May 2015

- ❖ Assisted in developing several web applications using Java and the Spring framework
- ❖ Created new tables and modified existing ones within Microsoft SQL Server
- ❖ Wrote technical documentation for developed web applications

## Personal Projects

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### Music Display App (TypeScript, Sass, Angular, Node.js, Golang)

- ❖ Angular web application to interface with the Spotify API and display a user's currently played song
- ❖ User can interact with the app to modify their current playback
- ❖ Golang authentication server used to assist in handling Spotify OAuth

### Portfolio Website (JavaScript, Sass, Angular, Netlify)

- ❖ Angular app used to display my portfolio. Deployed with Netlify

### Golang server (Go, PostgreSQL, Google Cloud)

- ❖ REST API server written in Golang for a personal project with a friend

### PyMDb (Python)

- ❖ Python package used to scrape allowed data from the IMDb website (with rate limiter)
- ❖ Package can also parse IMDb's free to download dataset files