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Ryan Zembrodt

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## 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, TypeScript, JavaScript, Go, Python, SQL, CSS/Sass, C/C++

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

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

## Experience

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### Flooid – Software Engineer

Cincinnati, OH | June 2019 – Present

- ❖ Ownership of feature implementations within base product codebase
- ❖ Investigate and develop fixes for defects on both local and remote machines
- ❖ Development of unit tests and integration tests for new features
- ❖ Training of several additional developers in working with the codebase and our product
- ❖ Technologies include Java, DB2, Docker, Concurrency, Selenium

### 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
- ❖ Technologies included Java, JavaScript, Spring, Microsoft SQL Server

### 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
- ❖ Technologies included Java, Spring, JavaScript, jQuery, Microsoft SQL Server

## Personal Projects

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### ShowTunes (Angular, TypeScript, Sass, Netlify)

- ❖ 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

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

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

### Golang REST APIs (Go, PostgreSQL, Heroku)

- ❖ Have written several REST APIs in Golang for different projects
- ❖ One API is used by the ShowTunes app for Spotify authentication and other information

### 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