Ryan Zembrodt

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Experience

Flooid – Senior Software Engineer **Cincinnati, OH | April 2023 – Present**
Software Engineer **June 2019 – April 2023**

- ❖ Ownership of feature implementations within the core product throughout its lifecycle
- ❖ Collaborating with customers and team members on estimating future feature implementations
- ❖ Implementation of API endpoints for use by both customers and third party clients
- ❖ Add localization support for new languages in the core product front end Java application
- ❖ Investigate and develop fixes for interfacing with third party clients and APIs
- ❖ Development of unit tests and integration tests for new features in web apps and the Java application
- ❖ Training of several additional developers in working with the codebase and our product
- ❖ Technologies include: Java, Selenium, DB2

Valvoline – Web Developer Co-op **Lexington, KY | October 2017 – December 2017**

- ❖ Worked within development team using Agile methodology **January 2014 – May 2015**
- ❖ Developed both front- and back-end features and defect fixes for applications
- ❖ Technologies include: Java, JavaScript, Microsoft SQL Server

Education

University of Kentucky **Graduated May 2019**
Computer Science, MSc

- ❖ Computer Science teaching assistant 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 – 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

Programming languages/frameworks: Java, Python, JavaScript, Angular, Go, SQL, C/C++
Other: Git, Docker, Google Cloud, Heroku, Netlify, Atlassian, Jenkins, DB2

Personal Projects

ShowTunes (Angular, TypeScript, Sass, Netlify) **– showtunes.app**

- ❖ 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 the current playback along with various customization options
- ❖ Authentication to Spotify via OAuth 2.0 PKCE flow – all data stored client-side

Portfolio Website (Angular, TypeScript, Sass, Netlify) **– zembrodt.com**

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

Matrix Display (Python, Flask)

- ❖ Python app to interface with an LED matrix display from a Raspberry Pi, controlled by API endpoints
- ❖ Interface with third party APIs. Is able to display current time, weather, forecast, MLB game scores, etc