# Ryan Zembrodt

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(859) 948-6338

**Education:**

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| **University of Kentucky, Lexington, KY** | **Graduation Date: May 2016** |

Bachelor of Science in Computer Science, with Minor in Mathematics
Cumulative GPA of 3.33

Relevant Computer Science Coursework:

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| Senior Design Project | Concurrent Programming |
| Introduction to Artificial Intelligence | Systems Programming |
| Algorithm Design/Analysis | Compilers |
| Introduction to Database Systems | Software Engineering |

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

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| **University of Kentucky, Lexington, KY** | **Expected Graduation Date: May 2019** |

Master of Science in Computer Science — Current GPA of 3.5

Relevant Computer Science Coursework:

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| Algorithms | Operating Systems |
| Machine Learning | Models of Computation |

**Computer Skills:**

Programming Languages: C, C++, Python, Java, Go, C#, JavaScript, R, Prolog, SQL
Operating Systems: Windows and Linux
Other: Spring framework, Hibernate, WebLogic servers

**Work Experience:**

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| **Valvoline, 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

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| **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

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| **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
- Manual testing for web applications

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| **Ashland, Inc. Lexington, KY** | **January 2014-May 2015** |

**Information Technology Co-op**; contributing member of Web Development team.
- Worked with Java and the Spring application framework to create several Ashland and Valvoline 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

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| **Tata Consultancy Services, Cincinnati, OH** | **May 2014-August 2014** |

**Software Engineer Intern**; contributing member of Business Solutions Unit
- Developed dashboard using MicroStrategy for TCS to preview to healthcare companies
- Helped mobile team develop applications using Java and Android framework
- Volunteered for TCS IT high school camp and worked as a team lead for six students

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| **University of Kentucky HealthCare, Lexington, KY** | **May 2013-August 2013** |

**Information Technology Intern**; contributing member of Web Development team
- Developed online form to be used in a clinical setting and web applications in .NET
- Wrote technical documentation and workflow diagrams for applications

**Projects:**

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| **Lexmark – Cafe Data Project** (cafe-predicting.github.io) | **Spring 2016** |

- Found trends using machine learning within data collected from Lexmark's cafeteria
- Created dashboard to present the graphs and trends our team found within the data
- Github repository: https://github.com/cafe-predicting