

Trevor D. Rice

Education

Richmond, KY	Eastern Kentucky University	Aug 2017 – Dec 2020
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- **Major:** Computer Science, Bachelors (4.0 in-major GPA)
- **CS Relevant Courses:** Algorithms, Data Structures, Database Theory, Networking, Software Engineering and Testing, Discrete Math, Java and Python Programming, Web Development, Operating Systems, Competitive Programming, Mobile App Development.
- **Electives:** 3D Modeling, Big Data, Machine Learning, Digital Electronics

Employment/Work

CSC Tutor	Eastern Kentucky University	Aug 2018 – Dec 2020
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- Strengthened student's knowledge and abilities in core computer science topics by explaining difficult topics in a digestible format.
- Increased communication skills by working with many students across many levels of expertise and ages.
- Obtained a deeper understanding of computer science fundamentals through teaching and tutoring students.

MLDL Lab Member	Eastern Kentucky University	Jan 2019 – Dec 2020
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- Collaborated in a team of 3 to develop a medium-sized big data solution for malicious domain detection.
- Utilized Python and CUDA technologies to implement a speed-oriented solution to determine the maliciousness of domain names.

Projects

Personal Website: www.trevrr.dev

Malicious Domain Detection

- Developed desktop software utilizing Nvidia GPUs to perform string matching concurrently.
- Utilized Python with CUDA for the software, PyQT for the GUI, and persisted data in a MySQL database.
- Showcased project to ECU faculty and created a Poster describing an alternate approach using Hadoop (https://encompass.eku.edu/swps_undergraduategallery/290/)

Android E-book Reader

- Developed an Android mobile application using Java that allowed users to select and read E-books.
- Utilized Java for the codebase with SQLite for data persisting.

Skills

Proficient: Java, Python, JavaScript, ReactJS, NodeJS, NextJS, HTML/CSS, Bootstrap, ChakraUI, MySQL, MongoDB, Docker, Nginx, Git/Github, Django, and Android development.

Familiar: PHP, PostgreSQL, C#, VueJS