

Alexa Summers

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Education

Degrees

- *2023 **Education Specialist**, Digital Leadership
Fort Hays State University (FHSU), Hays, Kansas
- 2021 **Masters of Science**, Computer Science
University of Missouri—Kansas City (UMKC), Kansas City, Missouri
Research Title: IC-SAFE
Supervisor: Dr. Sejun Song
- 2020 **Bachelors of Science**, Computer Science
University of Missouri—Kansas City (UMKC), Kansas City, Missouri

Certificates

- 2022 **Graduate Certificate**, College Teaching & Career Preparation
University of Missouri—Kansas City (UMKC), Kansas City, Missouri

* In progress. Projected completion date: May 2022

Skills

- Online teaching technologies (Canvas, Blackboard, Zoom)
- Databases (Workbench, Developer, MySQL, SQLite, Oracle's Application Express)
- Web Development (HTML, CSS, JS, JQuery, PHP)
- Video game development (Unity, C#)

Professional Training

- Midwest Conference on Asian Affairs, KU (2022)
- Establishing Classroom Norms for Teaching seminar, UMKC (2022)
- Shaping Engaging Classrooms seminar, UMKC (2022)
- Civil Discourse in the Classroom seminar, UMKC (2021)
- Managing Classroom Disruption seminar, UMKC (2021)
- JCCC Summer Teaching Institute, JCCC (2021)
- Active Learning seminar, UMKC (2021)

- MOS PowerPoint Associate (2020)
- MOS Word Associate (2020)
- MOS Word Expert (2020)
- iTeach, JCCC (2020)
- Certification in Online Teaching and Learning, UMKC (2020)

Research Experience

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| 2021 | <p>IC-SAFE
 School of Computing and Engineering, University of Missouri—Kansas City (UMKC), Kansas City, Missouri</p> <ul style="list-style-type: none"> • Researched algorithms to detect anxiety in dementia patients. • Conducted and studied gyroscope data to differentiate between tremors and other activities. • Final paper accepted to IEEE ICC 2022 |
| 2019 | <p>Natural Disaster Prediction Project
 School of Geosciences, Tel Aviv University (TAU), Tel Aviv, Israel</p> <ul style="list-style-type: none"> • Studied data obtained from smart phones pertaining to surface pressure, temperature, and humidity to create mesoscale analyses. • Related collected data to the threat and effects of Global Warming. |

Teaching

Assistant Professor of Game Development

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| 2021-present | <p>Courses Taught at Johnson County Community College
 Division of Computer Science and Information Technology
 Johnson County Community College</p> <p>(GAME 102 Business of Games)
 (GAME 104 Introduction to Game Development)
 (GAME 105 Beginning Game Creation)
 (GAME 121 Game Programming I)
 (GAME 131 User-Centered Design)
 (GAME 180 Artificial Intelligence for Games)
 (GAME 221 Game Programming II)</p> |
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Adjunct of Computer Science

2020-present **Courses Taught at University of Missouri—Kansas City**
Division of Computer Science/Electrical Engineering
University of Missouri—Kansas City

(CS 371 Database Design, Implementation and Validation)
(CS 456 Human Computer interface)
(CS 490WD Web Development)
(CS 5565 Introduction to Statistical Learning)
(CS 490/5590 Video Game Creation)
(IT 321 Introduction to Computing Resources Administration)

Academic Honors and Awards

2022 **Sunflower Grant**
Johnson County Community College (JCCC), Overland Park, Kansas

2020 **UMKC Graduate Scholarship**
School of Computing and Engineering University of Missouri—Kansas City
(UMKC), Kansas City, Missouri

2014-2015 **Wes Fry Speech Scholarship**
Rotary Club of Lenexa, Lenexa, Kansas

Service

Johnson County Community College

- ADA Committee (2022-present)
 - Served as committee member for the CSIT Division
- Girls Who Code instructor (2021-present)
 - Taught 3rd-12th grade girls how to program
- Jewish Family Services (2018-present)
 - Assisted elderly clients with computer issues

Conference and Professional Presentations

Summers, A. (2021, October). *Teaching Gen Z*. Invited speaker to Faculty Roundtable: Beg, Borrow and Steal. Johnson County Community College (JCCC), Overland Park, Kansas