Alexa Summers

Overland Park, Kansas 66213

Email: a_summers2@mail.fhsu.edu

Education

Degrees

*2024   **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

* In progress. Projected completion date: May 2024

Certificates

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

Skills

- Online teaching technologies (Blackboard, Canvas, Zoom)
- Databases (Workbench, Developer, MySQL, SQLite, Oracle's Application Express)
- Web Development (SQL, HTML, CSS, JS, PHP, jQuery, React)
- Game Development (Unity, C#)

Professional Training

- Nontraditional Careers Workshop, KCCTE – Salina, KS (2023)
- 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

2023-2024   **InSpace vs. Zoom Research**
School for Advanced Professional Studies, Fort Hays State University (FHSU), Hays, Kansas

- Researched student satisfaction of Zoom during the pandemic and the difference between InSpace and Zoom.
- Hosted professional development session to discuss findings with faculty and promote a Zoom alternative.
- Collected feedback to improve professional development session for future presentation.

2021   **IC-SAFE**
School of Computing and Engineering, University of Missouri—Kansas City (UMKC), Kansas City, Missouri

- 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   **Natural Disaster Prediction Project**
School of Geosciences, Tel Aviv University (TAU), Tel Aviv, Israel

- 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

2021-present   **Courses Taught at Johnson County Community College**
Division of Computer Science and Information Technology
Johnson County Community College

(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)
(GAME 238 Serious Game Design)
(WEB 110 HTML & CSS)
(WEB 234 Web Apps I)
(WEB 238 Interactive Scripting: jQuery)
(WEB 124 Web Scripting: JavaScript II)
(WEB 126 Technical Interface Skills)
(WEB 231 User Experience)

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 191 Discrete Structures I)
(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
- Student Agency Mentor (2022-2023)
    - Served as faculty mentor for web development Student Agency projects
- Girls Who Code instructor (2021-2022)
    - Taught 3rd-12th grade girls how to program

Jewish Family Services

- Help@Home Technician (2018-present)
    - Assisted elderly clients with technology issues

Conference and Professional Presentations

Summers, A. (2024, January). *Dive Into InSpace: Benefits and Classroom Integration.* Professional Development Session. Fort Hays State University (FHSU), Hays, Kansas

Summers, A. (2023, November). *How Do I Become a Computer Scientist?.* Invited speaker to the HDBI Series. Linda Hall Library, University of Missouri—Kansas City (UMKC), Kansas City, Missouri

Summers, A. (2023, October). *Versatility At Your Fingertips.* Invited speaker to Saturday STEM Seminars. Science City—Union Station, Kansas City, Missouri

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