# Alexa Summers

Overland Park, Kansas 66213

Phone: 913-209-1778

Email: asumme10@jccc.edu

# Education

### Degrees

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

- 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

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)

**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)

# Academic Honors and Awards

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