Ren Young

RenAYoung.github.io   RenYoungCS@gmail.com   (859) 401-2082

Education
- **University of Kentucky, Computer Science (minors: Math, Music Theory), 4.0**, Aug. 2019-May 2023.
  - **Relevant Coursework:** Intro to Game Development, Gaming in STEM Education, Data Science, Systems Programming, Intro to Databases, Machine Learning.
- **Gatton Academy of Mathematics and Science at WKU Graduate, 4.0**, Aug. 2017-May 2019.

Skills
- **Python, C++, Java, C#, R, Mathematica, HTML, CSS**
- **Unity, GitHub, Jira, Excel**
- **Algorithm Design, Agile Methodology**

Projects
- **PharmaMania Game:** Worked with The National Association of Boards of Pharmacy®. Developed 2D mobile application in Unity. Used Jira and Agile methodology alongside senior design project team.
- **Witch Conservation Society Game:** Developed 2D top-down cozy exploration and collection game using Unity. Demo available at RenAYoung.github.io.
- **Cluttered Mystery Robot Game:** Developed 3D investigation and organization game using Unity. Demo available at RenAYoung.github.io.
- **Dungeon Quest Game:** Developed 2D dungeon crawl, roguelike game using Python as part of a team. GitHub page available at RenAYoung.github.io.
- **Sudoku Game:** Developed 2D Sudoku puzzle game with a partner using Mathematica. It included 6 game variations, a solver, a generator, and a make your own puzzle. GitHub page available at RenAYoung.github.io.

Work Experience
- **Computer Science Lab Instructor, University of Kentucky**, Aug. 2021-Present – Instruct students during lab time for introductory computer science course. Grade Python assignments.
- **Horticulture Research Fellowship, University of Kentucky**, June 2020-Present – Research causes of stalk lodging. Write code for analyzing corn stalks. Collect data from corn stalks in research lab.
- **Campus Catering, University of Kentucky**, Aug. 2019-Feb. 2020 – Setup, maintain, and clean up food arrangements for events.
- **Psychology Research, Western Kentucky University**, Aug. 2017-May 2019 – Instructed participants on required tasks, conducted scientifically based research, and presented a research poster 3 times.

Leadership
- **STEMgiQueers Officer, University of Kentucky**, Aug. 2021-Present, Member Aug. 2019-May 2021
- **Story Club Co-president, Gatton Academy**, Aug. 2018-May 2019, Member Aug. 2017-May 2018
- **Kyuki-do Martial Arts, Leadership Team**, June 2016-July 2017

Activities
- **Gender Sexuality Alliance, University of Kentucky**, Aug. 2019-Present
- **Math Club, University of Kentucky**, Jan. 2020-Dec. 2020
- **Knitting Club, University of Kentucky**, Nov. 2019-Sept. 2020
- **Envirothon**, Aug. 2017-May 2019
- **American Sign Language Organization Member**, Sept. 2018-May 2019
- **Student Activities Committee Team Member**, Aug. 2018-May 2019 – Applied position.
- **Hardin Planetarium Volunteer**, April 2018-Nov. 2019
- **Lexington Public Library Volunteer**, June 2017-Jan. 2019.