

Kenneth Shortrede

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Education

Rollins College, Winter Park, FL

May 2021

- Bachelor of Arts in Computer Science and Bachelor of Arts in Business Management
- GPA: 3.86
- Languages: English; Spanish
- Computer Languages & Skills: Unity Certification, C#, Java, Python, C, Swift, Dart, C++, Android Studio, Visual Studio
- Coursework: Software Engineering, Game Design, OOP, Algorithms, Databases; Statistics; Business Management, Interpersonal Communication
- Honors: Outstanding Achievement in Computer Science (2020); President's List since January 2018; "The National Society of College Scholars" (Feb. 2018)

Work Experience

Software Engineering Internship

February 2020 – May 2020

Echo Technology & Apps, Orlando, FL

- Support the Development Team in maintaining all existent applications for Android, IOS, and Amazon Alexa Skills.
- Mobile application development for IOS utilizing IDE XCode, Swift, REST API, REALM, Firebase.
- Assists with development maintenance of the Augmented Reality applications for clients.

Mobile Application Development

January 2020 – December 2020

Client: Fasting Shape, Buenos Aires, Argentina

- Developing a mobile application for thousands of clients in the fitness industry.
- Created app for clients on both IOS and Android.
- Worked closely with client to define requirements and designs, and used Flutter SDK and Android Studio.

Tutor - Programming

September 2018 - Present

Rollins College, Winter Park, FL

- Trained dozens of students of varied backgrounds to improve their problem-solving skills.
- Taught students in Java Programming, Object-Oriented Programming, Computer Systems, Software-Engineering, and Python.
- Guided students towards additional resources for learning.

Significant Projects

RPG Game Development – Capstone Project

January 2021 - Present

Personal Unity3D Project – C#

- Using Scrum (Agile) development to create a turn-based fighting game throughout 2-week sprints with a team of 4.
- Utilizing Unity3D and C# with object-oriented programming to create NPC units, a fighting system, and implement a random maze generation algorithm.
- Integrating animations, NPC dialogues, Mission System, fighting, inventory system, and visual objects.

Software Engineering Project*September 2019 – December 2019**Rollins College, Winter Park, FL*

- Developed a Statistical Project to be used in college classrooms by both professors and students.
- Worked with client to define requirements and design of the project, using Java and Eclipse.
- Created a visual and user-friendly program for students and tutors, by utilizing incremental development.

Game Development – Personal Project*August 2020– December 2020**Personal Unity3D Project – C#*

- Create a game with AI finite state machines to fight amongst each other, while allowing the player to purchase new units.
- Implementing Unity3D and C# with object-oriented programming to create AI-controlled units.
- Integrating AI decision-making, animations, fighting, visual objects, among others.

Achievement/Communications

National Television – Esports Interview*Buenos Aires, Argentina*

- Interviewed for 15 minutes on Argentinian national television about League of Legends.
- Related a clear message about videogames and E-Sports, and their impact in our society, while increasing rating for the program.
- https://www.youtube.com/watch?v=ECiZwAYhxjE&t=1s&ab_channel=LANACION

Community Involvement & Leadership

Note-taker*August 2018 – Present**Rollins College, Winter Park, FL*

- Aided in the learning process of multiple students with special needs.
- Drafted notes and advice for courses such as “Introduction to Computer Systems,” “Business Statistics,” and “Micro & Macro Economics” courses.
- Worked closely with the disabilities department on campus.

Wellness Ambassador*August 2019 - Present**Rollins College, Winter Park, FL*

- Organized successful events for hundreds of attendants around college.
- Informed students on how to improve their own lives with fun and educational activities to keep them engaged.
- On-Campus Leader.

Volunteer at *The Great Duck Derby**March 2019**Winter Park, FL*

- Organized stands, parking, and coordinated kids with various fun and engaging activities.
- Raised thousands of dollars for “Mead’s Botanical Garden.”

Volunteer at *New Hope for Kids**October 2018**Maitland, FL*

- Wrapped and prepared hundreds of gifts for children dealing with loss.
- Learned about the New Hopes’ mission and facilities.