Khalil Jalen Anderson

Chicago, IL

Mobile: 410-487-4863

khanders@u.northwestern.edu

Education:

Northwestern University (September 2018-Present)
- PhD Candidate in Computer Science focused in Artificial Intelligence
- GPA: 3.75
- Research Interests: Reinforcement Learning, NLP, Deep Learning, Multimodal Learning Analytics, AI & Education, AR/VR
- TIILT Lab

University of Maryland, Baltimore County (June 2014-May 2018)
- Bachelor of Science in Computer Science and Minor in Biology
- Cum Laude
- GPA: 3.573, Major GPA: 3.8, Honors College
- Meyerhoff Scholar, NSA Scholar

Skills:

- Programming Languages: Java, Python, C/C++, Lisp, JavaScript, R, PHP, HTML, CSS, React, Android, MySQL, REST, GraphQL, Scheme, Assembly (x86, ARM)

Work Experience:

Data Science Research Intern, Adobe (June 2018 – August 2018)
- Performed research focusing on combining virtual reality, computer vision, machine learning, and e-commerce for Adobe products.

Mobile App Design Subject Matter Expert and STEM Teacher, Howard County Library System (August 2016 – May 2018)
- Aide in designing a mobile app called STEM Quest for High School student that is educational and fun that will allow the library to track the progress of kids in our classes.
- Plan and teach classes in multiple STEM subjects such as Computer Science, Chemistry, and Robotics

Machine Learning and Artificial Intelligence Research, UMBC (July 2016 – May 2018)
- Work on pushing the limits of currents algorithms that work with multi or single agent planning and learning to help develop new concepts for artificial intelligence.
- Created a domain to plan and learn to clean up a room using object-oriented Markov decision processes in a continuous domain.

Undergraduate Researcher, University of Arizona (June 2017 – August 2017)
- Work on simulating a Vehicular Ad hoc Network with different configuration of the physical layer to compare the performance of the currently licensed 5.9 GHz band to the unlicensed analog TV white space.
- Co-authored a paper called "Validation of a CRV Model Using TVWS Measurements" that has been accepted to WinnComm in November 2017.

Sales Consultant, Best Buy (October 2015 – August 2016)
- Assisted and sold connected devices such as tablets, security camera systems, routers, headphones, and speakers by learning extensive details about the products.

SURF Student, National Institute of Standards and Technology (May 2015 – August 2015)
- Implemented the Green Button Standard on the NIST campus which has over 30,000 different measurements and wrote documentation for the implementation of the Green Button interface.

STEM Assistant, Howard County Library System (October 2013 - August 2015)
- Taught STEM (Science, Technology, Engineering and Technology) subjects to student between 6th-12th grade or assist other teachers in these subjects.

Publications:

- Khalil Anderson. (2022). Real-time Feedback for Developing Conversation Literacy. In Proceedings of the 2022 International Conference on Multimodal Interaction
- Worlsey, Marcelo, Anderson, Khalil, Melo, N., Young Jang, J., Hardy, N. (2021). Designing Analytics for Collaboration Literacy and Student Empowerment. In *Journal of Learning Analytics.*
- Anderson, Khalil, Dubiel, T., Tanaka, K., and Worsley, M. (2019). Chemistry pods: A multimodal real time and retrospective tool for the classroom. In *ICMI*.
- Anderson, Khalil, Lusk, L., Hands, M., and Vanhoy, G. (2017). Validation of a crv model using tvws measurements. In *WinnComm*.