Raiffa Syamil (she/her)

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EDUCATION

University of Central Florida | GPA: 3.83   **PhD Student in Computer Science**
August 2020-May 2026 (expected)   **Advisor—Dr. Carolina Cruz-Neira**
Relevant Coursework: Fundamentals of Computer Graphics, Realistic Real-Time Rendering, Fundamentals of Virtual Reality, Virtual Reality Engineering
University of Kentucky | GPA: 3.26   **Bachelor of Science in Computer Science**
August 2016-August 2020   **Minor in Mathematics**

TECHNICAL SKILLS (alphabetical order)

<languages & frameworks> Bootstrap, **C, C++, C#**, CMake, CSS, Express, HTML, JavaScript, Node.JS, Python, R, React Native, SAS, QT, VBA, VB.NET; *<else>* **Adobe Creative Suite**, Agile, Git, **HTC Vive Cosmos**, Linux, **Oculus Quest 2, SteamVR, Unity, Unreal Engine 4**, Visual Studio

EXPERIENCE

Graduate Research Assistant -- *VARLab, University of Central Florida*   **Aug 2020-Present**
Advisors—Dr. Carolina Cruz-Neira & Dr. Dirk Reiners
- Conducted Virtual Reality research projects for industry and academic partners
- *Active Projects:* Physical locomotion methods in VR, Cybersickness reduction techniques, VR eye tracking techniques, 360° Video Cinematic Virtual Reality

Software Developer -- *DeltaV Innovations, Cincinnati OH*   **May 2020 – May 2021**
- Contributed to design and development of physics-based vehicle crash reconstruction software

Research Assistant -- *Digital Restoration Initiative, University of KY*   **Aug 2018-Aug 2020**
Advisor—Dr. Brent Seales
- Developed an automatic XML metadata collection and delivery process to solve a long-standing issue with the existing Virtual Unwrapping pipeline
- Produced video on Machine Learning research reinterpreted for non-technical audience

Associate IT Systems Analyst -- *GE Appliances, Louisville KY*   **May 2019-July 2019**

- Streamlined the migration of two business applications used by GE engineers
- Collaborated with infrastructure teams, developers, and IT and Engineering project leads
- Worked on front end *(Cordova)* and back end *(AWS IoT Core)* for a cross-platform mobile application to monitor activity for an indoor smoker developed by FirstBuild

PRESENTATIONS and PUBLICATIONS

- Matt Gottsacker, **Raiffa Syamil,** Pamela J. Wisniewski, Gerd Bruder, Carolina Cruz-Neira, and Gregory F. Welch. Exploring Cues and Signaling to Improve Cross-Reality Interruptions. In *Adjunct Proceedings of IEEE International Symposium on Mixed and Augmented Reality* (ISMAR), pages 1–6, 2022 [Forthcoming].
- **The Virtual Unwrapping Pipeline: Collaborating Within the Digital Humanities,** Nov 2019
  2nd Place award, Kentucky Academy of Science Annual Meeting -- Berea, KY
- **Building a Successful Imaging Project In the Digital Humanities,** May 2019
  History and Literature Master's Program at Columbia University -- Paris, France

LEADERSHIP and AWARDS

ORCGS Doctoral Fellowship | August 2020, University of Central Florida
Outstanding Senior in Computer Science | April 2020, University of Kentucky
Dean's Engineering Leadership Class | Spring 2020, University of Kentucky
ACM-W Student Chapter President | Aug 2018-May 2020, University of Kentucky
- Arranged speakers, organized social events, led and taught workshops with the goal to foster community and cultivate competitive applicants post-graduation
- Organized and oversaw first and second annual Computer Science Career Fair; raised $3,000 between the two events
- Won $4,650 in funding from competitive events organized by the University of Kentucky College of Engineering