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
- Completing Virtual Reality research projects for industry and academic partners
- *Current project topics:* Physical locomotion methods in VR, Cybersickness reduction techniques, VR eye tracking techniques, 360° Video Cinematic Virtual Reality

Software Developer | DeltaV Innovations, Remote | May 2020 – May 2021
- Contributed to design and development of a 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 our Virtual Unwrapping pipeline
- Produced a video for a non-technical audience detailing recently published work with Machine Learning

Associate IT Systems Analyst | GE Appliances, Louisville KY | May 2019-July 2019
- Lead the migration of two business applications used by GE engineers. Collaborated with infrastructure teams, developers, and project leads across the IT and Engineering teams
- 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

- **The Virtual Unwrapping Pipeline: Collaborating Within the Digital Humanities, Nov 2019**
  Kentucky Academy of Science Annual Meeting at Berea College | Berea, KY
  Placed 2nd in the Computer and Information Science Poster category
- **Building a Successful Imaging Project In the Digital Humanities, May 2019**
  History and Literature Master's Program at Columbia University | Paris, France

LEADERSHIP & 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
University of Kentucky ACM-W Student Chapter | President | Aug 2018-May 2020
- Arranged speakers, organized social events, lead and taught workshops with the goal to foster community and prepare members as 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 UK College of Engineering