Dylan J. Kerr

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WORK EXPERIENCE

British Standards Institution (BSI) — Oct 2021 - Present
Core Innovation Analyst — Phoenix, AZ
- Organized an international, virtual event and idea challenge with CEO to improve internal innovation processes.
- Leveraged a decentralized knowledge graph's supply chain data to prototype a WebAR application for a client within the food and beverage industry.
- Developed a 20 minute VR training application of a 7-Point Container Inspection to provide proper auditor education in over 60 international ports.

NASA, Marshall Space Fight Center — June 2021 - Aug 2021
AR/VR Content Development Intern — Huntsville, AL
- Collaborated with multiple bases (MSFC, GSFC, LaRC, KSC) to support the advancement of AR/VR technology.
- Implemented a networking engine API into middleware for the development of remote AR/VR collaboration tools.
- Enhanced learning and standardized processes with HoloLens 2 assistive workflow prototype application.

The Luminosity Lab — May 2019 - May 2021
Graduate Research Assistant — Tempe, AZ
- Developed a virtual reality (VR) application for NASA's 2020 BIG Idea Challenge to provide insight on the importance of exploring lunar permanently shaded regions and remotely led a team of 6 undergraduate students.
- Collaborated with Luke Air Force Base in developing a HoloLens 2 mixed reality (MR) application intended to streamline the flight debriefing process and optimize flight training between up to 50 Air Force bases nation-wide.
- Designed a WebGL application for Starbucks' virtual tour of their Hacienda Alsacia coffee farm and created an Oculus Quest VR training application to improve the experience of both retail partners and customers.
- Reconstructed the hardware configuration of an olfactometer for research focused on integrating the sense of smell into VR experiences.

TEDxASU — Aug 2018 - Feb 2020
Creative Director — Tempe, AZ
- Oversaw branding guidelines, marketing content, and organized a team of five design students
- Hosted the largest student-organized TEDx event worldwide bringing in over 1500 attendees and a revenue of $54,000
- Created a stage design that utilized projection mapping to provide nine speakers with presentation visuals.

The Luminosity Lab — Oct 2017 - May 2019
Industrial Design Intern — Tempe, AZ
- Sketched concept artwork and 3D modeled electronics casing for drones, robotics, and wearable technology.
- Fabricated a 3D printed robot to engage over 100 students at the Arizona Science Center in S.T.E.A.M. activities.
- Managed a team of 15 undergraduate design students and constructed a sustainable recruitment system.

EDUCATION

Master of Arts (M.A.): Digital Culture (Augmented and Virtual Reality Design) — May 2021
Arizona State University - School of Arts, Media, and Engineering — Tempe, AZ
Honors: 2020 NASA BIG Idea Challenge Innovation Award, 2021 United States Air Force Spark Tank Finalist, Dean's List

Bachelor of Science (B.S.): Industrial Design — May 2019
Arizona State University - Herberger Institute for Design and the Arts — Tempe, AZ
Honors: Medallion Scholarship Program, 1st Place 2015 Friends of Transit Re-imagining Transportation Design Contest

SKILLS / INTERESTS

Design: Adobe (Photoshop, Illustrator, After Effects, Premiere), Figma, Unity3D, Unreal Engine,
3D/CAD Modeling (Solidworks, Onshape, Fusion360, Blender)
Programming Languages: C#, C++, Python, SQL, PHP, HTML5, CSS3, Javascript ES6
Interests: Art, swimming, music/sound production, sustainability, additive manufacturing
Fun Fact: I was ASU's mascot, Sparky the Sun Devil, during my undergraduate degree and
I swam next to Michael Phelps in his 2016 Under Armour commercial entitled: 'Rule Yourself'.